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ABSTRACT

Integrated in this micro-thesaurus of indexing terms are keywords from the Department of Defense thesaurus, the Energy Research and Development Administration thesaurus, the National Aeronautics and Space Administration thesaurus, and the thesaurus used by the National Technical Information Service (NTIS). Included are controlled free language terms which may be useful in searching the NTIS data base. The terms are listed hierarchically with main entries followed by narrower terms, broader terms, related terms, and scope notes. The parent thesaurus source of each term is identified. The micro-thesaurus is divided into two sections. The first section contains more than 1800 terms that express environmental concepts relating to water, air, noise, and radiation pollution, disposal of solid waste, and environmental health. The second section lists more that 550 chemicals that are important to environmental studies. (BB)

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U.S. DEPARTMENT OF COMMERCE
National Technical Information Service

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ENVIRONMENTAL MICROTHESAURUS

A Hierarchical List of Indexing Terms Used by NTIS

National Technical Information Service &
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In a vocabulary information system it is important to have a controlled vocabulary for information retrieval. However, when searching the data base of the National Technical Information Service (NTIS) for environmental research reports, one is faced with using search keywords from four thesauri as well as free language terms. These keyword sources are: The Department of Defense thesaurus, Energy Research and Development Administration thesaurus, National Aeronautic and Space Administration thesaurus, the thesaurus used by NTIS, and controlled free language terms. This microthesaurus integrated hierarchically the vocabulary of these five sources to allow easier retrieval for environmental terms. Generic relationships and thesaural origins are maintained for each term.

The microthesaurus is divided into two sections:

The first section contains more than 1800 terms that express environmental concepts relating to water, air, noise, and radiation pollution, disposal of solid waste, and environmental health.

The second section lists more than 550 chemicals that are important to environmental studies. Those chemicals not covered by one of the major thesauri are named using a modified version of the American Chemical Society (Chemical Abstracts) nomenclature.

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INTRODUCTION

This **Environmental Microthesaurus** was prepared by NTIS to assist users of the NTIS data base in retrieving environmentally oriented reports. A diversity in terminology exists in our data base because reports announced by NTIS are catalogued and indexed not only by NTIS, but also by other agencies that use their own indexing keyword vocabularies. Currently these keywords may be found in four separate thesauri as well as in free-language terms. The thesauri used are:

- **DDC Retrieval and Indexing Terminology** (Dept. of Defense).
  Availability: NTIS, $30.50, paper copy or $4.50, microfiche (order number, AD/A 001 200 SET).
- **ERDA Subject Indexing and Retrieval Thesaurus** (Energy Research & Development Adm.)
  Availability: NTIS, $16.25, paper copy or $3, microfiche (order number, TID-7000R1).
- **NASA Thesaurus.** Volume 1, Alphabetical Listing and Volume 2, Access Vocabulary (National Aeronautics & Space Adm.)
  Availability: NTIS, Vol. 1, $15, paper copy or $3, microfiche (order number, N75-17992) and Vol. 2, $8.50, paper copy or $3, microfiche (order number, N76-17393).
- **Thesaurus of Engineering and Scientific Terms** (Test) (Dept. of Defense and Engineers Joint Council)
  Availability: Engineers Joint Council, 345 E. 47th Street, New York, NY 10017, $20, soft cover, $25, hard cover.

This microthesaurus is an attempt to bring together the environmental terms from these thesauri and to show their heirarchical relationships. Because standardization of indexing terms is of great utility in retrieving information from data bases, we hope this microthesaurus of already established terms will aid those planning to produce an environmental indexing vocabulary, as well as those who search our data base.

The microthesaurus is divided into two sections:

- The first section contains more than 1800 terms that express environmental concepts relating to water, air, noise, and radiation pollution, disposal of solid waste, and environmental health.
- The second section lists more than 550 chemicals that are important to environmental studies. Those chemicals not covered by one of the major thesauri are named using a modified version of the American Chemical Society (Chem Abstracts) nomenclature.

The terms in this microthesaurus are identified by source as follows:

(D)	DOD Thesaurus	**(E)**	ERDA Thesaurus
(N)	NASA Thesaurus	**(T)**	Test Thesaurus
(*)	NTIS free-language terms, not in above lists.		

Where keywords are contained in more than one thesaurus, each source letter is given: eg, (DNT), (DENT), or (ET). Other symbols used in this microthesaurus are:

UF	Used For	**BT**	Broader Term
NT	Narrower Term	**RT**	Related Term
USE	Use what follows	**SEE UNDER**	A cross reference
DEF	Definition of terms	**NOTE:**	Brief explanation

Entries exist for all synonyms, including spacing variations: eg,
Law (Jurisprudence) (N) and Law(Jurisprudence) (DT).

This is the first edition of this microthesaurus of environmental terms; and update is planned for next year. Any comments or suggestions would be most welcome. Please write to Information Analysis Branch, National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161.

Absorbers (Equipment) (N)
Absorbers(Equipment) (DT)
RT Air pollution control equipment (DT)
Water pollution control equipment (D)
Absorption(Biological) (D)
Absorption(Biology) (T)
RT Accumulation (DET)
Pesticide removal (*)
Pesticide residues (*)
Residues (DENT)
Abundance (DENT)
NT Natural abundance (*)
Accidents (DENT)
NT Aviation accidents (DT)
Industrial accidents (ET)
Loss of coolant (E)
Nuclear reactor accidents (T)
Reactor accidents (DE)
Ship accidents (*)
Acclimatization (DNT)
BT Adaptation (DNT)
RT Biological adaptation (E)
Ecology (DENT)
Accumulation (DET)
RT Absorption(Biological) (D)
Absorption(Biology) (T)
Bioaccumulation (*)
Biological accumulation (E)
Environmental persistence (*)
Pesticide residues (*)
Residues (DENT)
Accumulations (N)
Acid mine drainage (E)
BT Drainage (DNT)
RT Mine acid drainage (*)
Mine wastes (*)
Mine waters (T)
Acid rain (E)
BT Rain (DENT)
RT Air pollution (DENT)
Precipitation washout (*)
Washout (E)
Acid smut (*)
RT Air pollution (DENT)
Acoustic absorption (DT)
RT Noise reduction (DNT)
Acoustic attenuation (DN)
RT Acoustic absorption (DT)
Noise reduction (DNT)
Acoustic detection (DT)
BT Detection (DNT)
Acoustic detectors (DT)
BT Detectors (DNT)
RT Frequency analyzers (DNT)
Frequency meters (DT)
Noise meters (NT)
Sound analyzers (DT)
Sound level meters (T)
Vibration meters (NT)
Acoustic environments (T)
Acoustic insulation (DT)
RT Noise reduction (DNT)
Acoustic measurement (DT)
RT Frequency measurement (ENT)
Noise measurement (NT)
Acoustic measurements (N)
Acoustic measuring instruments (T)
NT Frequency meters (DT)
Noise meters (NT)
Rayleigh disks (T)
Sound analyzers (DT)
Sound level meters (T)
Acoustics (DENT)
RT Noise (Sound) (N)
Activated carbon (DET)
Activated carbon treatment (T)
RT Air pollution control (*)
Sewage treatment (DET)
Water pollution control (*)
Water treatment (DNT)
Westvaco process (*)
Activated sludge process (DET)
RT Biological industrial waste treatment (*)
Sewage treatment (DET)
Adaptation (DNT)
NT Acclimatization (DNT)
Adjustment(Psychology) (DT)
Biological adaptation (E)
RT Ecology (DENT)
Thresholds (Perception) (N)
Thresholds(Perception) (T)
Administration (E)
NT Public administration (DT)
RT Management (DENT)
Adsorbents (NT)
NT Activated carbon (DET)
Alumina (D)
Ammonia (DENT)
Ammonium compounds (DENT)
Ammonium sulfates (EN)
Aniline/N-N-dimethyl (*)
Bicarbonates (D)
Calcium carbonates (ET)
Calcium oxides (DENT)
Carbonates (DENT)
Cellulose (DENT)
Dolomite (DE)
Dolomite(Rock) (T)
Formates (DENT)
Limestone (DENT)
Magnesium carbonates (ET)
Magnesium oxides (DENT)
Magnesium sulfites (*)
Metal oxides (N)
Nahcolite (E)

Sodium aluminates (*)
Sodium carbonates (DENT)
Sodium sulfates (DET)
Sodium sulfites (NT)
Vanadium oxides (ET)
Zinc oxides (DENT)
RT Activated carbon (DET)
Aluminum oxides (E)
Fly ash (DET)
Straw (DT)
Vermiculite (ET)

Adsorption (DENT)
Adsorbates (T)
Adsorbents (DENT)
Adsorbtivity (ENT)
Chemisorption (DENT)
Desorption (DENT)
Surface properties (DENT)

Advanced sewage treatment - USE:
Tertiary treatment (*)

Aeration (DENT)
RT Deaeration (DT)
Degassing (ENT)
Oxidation (DENT)
Oxygenation (NT)

Aeration ponds (*)
BT Lagoons(Ponds) (T)
RT Anaerobic lagoons (*)

Aerators (T)
NT Waldhof aerators (*)
RT Deaerators (T)

Aerial photography (DNT)
RT Airborne detection (*)
Remote sensing (ET)

Aerobic conditions (E)

Aerobic digestion (E)
BT Digestion (E)

Aerobic processes (DT)

Aerobiology (DNT)
RT Airborne infection (N)

Aerodynamic noise (DNT)
BT Noise (Sound) (N)
Noise(Sound) (DT)
Sound waves (DENT)
RT Aircraft noise (DNT)
Aircraft propeller noise (T)
Jet aircraft noise (NT)
Sonic boom (DT)
Sonic booms (N)

Aerometric and emissions reporting system (*)
UF Aeros
RT Air quality data (*)

Aeronomy (DNT)
RT Atmospheric physics (DNT)

Aeros - USE:
Aerometric and emissions reporting system (*)

Aerosol spray containers (*)
BT Containers (DENT)

Aerosol spray propellants - USE:
Propellants (*)

Aerosols (DENT)
RT Air pollution (DENT)
Dust (DNT)
Fallout (DENT)
Smog (DENT)
Smoke (DNT)
Soot (DNT)

Aerospace industry (NT)
BT Industries (DNT)

Afterburners (DET)
RT Afterburning (DNT)
Air pollution control equipment (DT)
Aircraft engines (DNT)
Automobiles (ENT)
Catalytic converters (ET)
Jet engines (DNT)
DEF Air pollution control devices that recombust exhaust gases. Used on aircraft and automobiles.

Afterburning (DNT)
BT Combustion (DENT)

Agricultural economics (T)

Agricultural engineering (T)

Agricultural runoff (*)
BT Runoff (DT)

Agricultural wastes (ET)
RT Bagasse (ET)
Barnlot wastes (*)
Feedlot wastes (*)
Manure (*)
Organic wastes (ET)
Rice hulls (*)

Air fuel ratio (*)
RT Combustion (DENT)
Fuel-air ratio (E)

Air pollution (DENT)
NT Global air pollution (N)
Indoor air pollution (D)
RT Combustion products (DENT)
Domestic wastes (*)
Exhaust emissions (T)
Exhaust gases (DENT)
Flue gases (DT)
Gaseous wastes (E)
Industrial wastes (ENT)
Wastes(Industrial) (D)

Air pollution abatement (E)
BT Abatement (T)
NT Implementation air pollution planning (*)
Smoke abatement (DNT)
Supplementary air pollution abatement (*)
RT Air quality maintenance planning areas (*)
Clean Air Act (E)
Clean coke process (E)
Carpooling (E)
NOTE: NTIS uses this term only to express the

prevention of air pollution by design changes or planning. It covers methods to stop pollutants from even being formed. Some examples of its use would be when carpools are encouraged to reduce pollution, or when a new, less-polluting process is developed to replace an older one.

Air pollution control (*)
BT Pollution control (N)
RT Adsorption (DENT)
Alkaline scrubbing (*)
Ammonia scrubbing (*)
Amoco Sulfur Recovery Process (E)
Beavon process (E)
Cat-ox Process (E)
Citrate process (E)
Claus Process (E)
Desulfurization (DET)
Desulfurizing (N)
Dust control (DT)
Ecominco Process (*)
Electrostatic precipitation (DT)
Evaporation control (T)
Filtration (DENT)
Injection (DENT)
Limestone injection (*)
Limestone scrubbing (*)
Marble bed scrubbers (*)
Molten carbonate process (E)
Odor control (T)
Overfire air systems (*)
SF Nateko Process (E)
Stone and Webster Process (E)
Sulfation (DNT)
Waste gas recovery (*)
Wellman Process (*)
Westvaco process (*)
NOTE: NTIS uses this term only when control processes or techniques are described that remove pollutants after they have been formed by a source.

Air pollution control agencies (*)
BT Pollution control agencies (E)
RT Federal agencies (*)
Government agencies (*)

Air pollution control equipment (DT)
BT Pollution control equipment (E)
NT Fluxforce/condensation scrubbers (*)
RT Absorbers (Equipment) (N)
Absorbers(Equipment) (DT)
Afterburners (DNT)
Air cleaners (DT)
Air filters (DENT)
Air washers (T)
Catalytic reactors(Exhaust systems (*)
Charged droplet scrubbers (*)
Chemical reactors (DENT)
Contactors (NT)
Cyclone separators (DET)
Dust collectors (ENT)
Dust filters (T)
Electrostatic precipitators (ENT)
Exhaust gas recirculation systems (*)
Exhaust recirculation systems (E)
Fabric filters (*)
Fluidized bed processors (DNT)
Gas filters (DT)
Gas scrubbers (T)
Gravity settling chambers (*)
Hydrocarbon accumulators (*)
Molten salt scrubbers (*)
Packed tower scrubbers (*)
Scrubbers (DENT)
Separators (DNT)
Spray tower scrubbers (*)
Strippers (T)
Thermal afterburners (*)
Thermal reactors(Exhaust systems) (*)
Venturi scrubbers (*)
Venturi separators (*)

Air pollution detection (*)
RT Atomic spectroscopy (DT)
Chemical analysis (DENT)
Colorimetric analysis (DT)
EPA Method 5 (*)
EPA Method 6 (*)
EPA Method 7 (*)
EPA Method 8 (*)
EPA Method 9 (*)
EPA Method 10 (*)
Gas analysis (DENT)
Gas chromatography (DENT)
Infrared detection (DT)
Infrared spectroscopy (DNT)
Laser spectroscopy (*)
Mass spectroscopy (DENT)
Microscopy (DENT)
Microwave spectroscopy (DT)
Nondispersive infrared spectroscopy (*)
Parrosaniline analysis (*)
Phenol disulfonic acid analysis (*)
Potentiometric analysis (DNT)
Radioactivation analysis (DT)
Raman spectroscopy (DNT)
Saltzman analysis (*)
Spectrochemical analysis (T)
Spectroscopic analysis (NT)
West Gaeke analysis (*)
X ray fluorescence (NT)
NOTE: This term is used to describe techniques or devices to detect substances that have escaped into the air. It is not used when the substance is still within the source, e.g. the engine, chimney, or exhaust system.

Air pollution economics (*)
RT Water pollution economics (*)

Air pollution effects(Animals) (D)
RT Toxicology (DENT)
Air pollution effects(Humans) (*)
RT Industrial hygiene (DT)
Industrial medicine (DET)
Occupational diseases (DET)
Occupational health and safety (*)
Public health (DENT)
Respiratory diseases (DNT)
Toxicology (DNT)
Water pollution effects(Humans) (*)
Air pollution effects(Materials) (*)
RT Atmospheric corrosion (DT)
Atmospheric effects (N)
Chemical attack (NT)
Chemical attack(Degradation) (D)
Corrosion (DENT)
Degradation (DNT)
Deterioration (DNT)
Soiling index (*)
Water pollution effects(Materials) (*)
Air pollution effects(Plants) (*)
RT Toxicology (DENT)
Air pollution episodes (*)
RT Contingency planning (*)
Air pollution forecasts (*)
Air pollution monitors (E)
BT Monitors (DENT)
RT Air samplers (E)
Detectors (DNT)
Gas detectors (DNT)
Impactors (NT)
Samplers (DENT)
Warning systems (DNT)
Air pollution potential (*)
Air pollution public emergency limits (*)
RT Contingency planning (*)
Air pollution sampling (*)
RT Environmental monitoring (N)
Monitoring (DET)
NOTE: NTIS uses this term only to describe the equipment, siting, or techniques to monitor pollutants when gathering air quality data.
Air pollution short term limits (*)
Air pollution standards (*)
BT Standards (DENT)
RT Water pollution standards (*)
Air pollution supplementary control systems (*)
NOTE: NTIS uses this term to describe control systems designed to be used only on a temporary basis along with regular control equipment.
Air purification (N)
RT Air cleaning (E)
Air conditioning (T)
NOTE: NTIS does not use this term to cover air pollution control.
Air quality (DEN)
RT Environmental quality (N)
Air Quality Act of 1967 (*)
UF Public Law 90-148
BT Air pollution (DENT)
Air pollution abatement (E)
Law (Jurisprudence) (N)
Law(Jurisprudence) (N)
Laws (EN)
Legislation (DET)
Air quality control regions (*)
Air quality data (*)
RT Aerometric and emissions reporting system (*)
Concentration (Composition) (N)
Concentration(Composition) (DT)
Storage and retrieval of aerometric data (*)
NOTE: NTIS uses this term only when a report contains actual concentration data for specific counties, cities, regions, states, or countries.
Air Quality Display Model (*)
BT Mathematical models (DENT)
Air quality maintenance (*)
RT Air pollution abatement (E)
Implementation air pollution planning programs (*)
NOTE: NTIS uses this term when describing the means by which regions or urban areas can maintain or lessen their air quality over a period of time.
Air quality maintenance planning areas (*)
RT Air pollution abatement (E)
Air Quality Surveillance Network (*)
Air samplers (E)
BT Samplers (DENT)
RT Air pollution monitors (E)
Air sampling (N)
Detectors (DNT)
Gas detectors (DNT)
Impactors (NT)
Warning systems (DNT)
Air sampling (N)
Air sampling (N)
BT Gas sampling (T)
RT Air pollution sampling (*)
Air samplers (E)
Global air sampling program (N)
Airborne detection (*)
RT Aerial photography (DNT)
Detectors (DNT)
Remote sensing (ET)
Airborne detectors (T)
BT Detectors (DNT)
Airborne infection (N)
RT Aerobiology (DNT)
Aircraft (DENT)
NT Airplanes (DT)
Commercial aircraft (DNT)

Helicopters (DNT)
Jet aircraft (DNT)
Military aircraft (DNT)
Supersonic aircraft (DNT)
Supersonic transport (E)
Supersonic transports (DNT)

Aircraft engines (DNT)

Aircraft exhaust (D)
RT Exhaust emissions (T)
Exhaust gases (DENT)
Jet engine exhaust (D)

Aircraft fuels (EN)
BT Fuels (DENT)
RT Aviation fuels (DET)
Aviation gasoline (DT)

Aircraft ground operations (*)
RT Airports (DENT)

Aircraft industry (DNT)
BT Industries (DNT)

Aircraft landing (NT)
RT Airports (DENT)

Aircraft landings (D)

Aircraft noise (DNT)
BT Noise (Sound) (N)
Noise(Sound) (DT)
RT Aerodynamic noise (DNT)
Aircraft propeller noise (T)
Engine noise (DNT)
Jet aircraft noise (NT)
Jet engine noise (DT)
Sonic boom (DT)
Sonic booms (N)

Aircraft propeller noise (T)
BT Propeller noise (D)
RT Aircraft noise (DNT)

Airplanes (DT)
NT See under Aircraft

Airport and Airway Development Act of 1970 (*)
BT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)
Legislation (DET)
RT Noise pollution (DN)
Transportation noise (*)

Airport noise (*)
BT Noise (Sound) (N)
Noise(Sound) (DT)
RT Aircraft ground operations (*)
Aircraft landing (T)
Aircraft landings (D)
Aircraft noise (DNT)
Aircraft propeller noise (T)
Airport planning (N)

Airport planning (N)
BT Airports (DENT)
Planning (DENT)
RT Land use (DENT)
Regional planning (NT)

Airports (DENT)
RT Aircraft ground operations (*)
Aircraft landing (NT)
Aircraft landings (D)

Alaska gas pipeline (E)
BT Alaska pipelines (E)
Pipelines (DENT)

Alaska oil pipeline (E)
BT Alaska pipeline (E)
Pipelines (DENT)
RT Petroleum pipelines (T)
Trans Alaska pipeline (*)

Alaska pipeline (E)
BT Pipelines (DENT)
NT Alaska gas pipeline (E)
Alaska oil pipeline (E)
RT Arctic gas pipelines (E)
Gas pipelines (E)
Petroleum pipelines (T)
Trans Alaska pipeline (*)

Algae (DENT)
BT Plants (Botany) (N)
Plants(Botany) (DT)
NT Blue algae
Cyanophyta (T)
Blue green algae (N)
Brown algae
Phaeophyta (T)
Green algae
Chlorophyta (T)
Red algae
Rhodophyta (T)
RT Algal bloom (N)
Algal blooms (*)
Chlorophyta (T)

Algal bloom (N)

Algal blooms (*)

Algicides (T)
BT Pesticides (DENT)

Alkaline scrubbing (*)
RT Ammonia scrubbing (*)
Dry methods (*)
Limestone scrubbing (*)
Wet methods (*)

Alkalized alumina - USE:
Sodium aluminates (*)

Aluminum industry (T)
BT Industries (DNT)

Ambient noise (DT)
BT Noise (Sound) (N)
Noise(Sound) (DT)

Ammonia scrubbing (*)
RT Alkaline scrubbing (*)
Wet methods (*)

Ammonia stripping (*)
RT Denitrification (*)
Sewage treatment (DT)

Amoco sulfur recovery process (E)

RT Air pollution control (*)
Waste gas recovery (*)
DEF Process to recover elemental sulfur from streams containing hydrogen sulfide.

Anaerobic conditions (ET)

Anaerobic digestion (E)
BT Digestion (E)
RT Biogas process (E)

Anaerobic lagoons (*)
BT Lagoons(Ponds) (T)
RT Aeration ponds (*)

Anaerobic processes (DT)

Animal ecology (T)
BT Ecology (DENT)

Animal feeds (E)
RT Feeding stuffs (T)
Single cell protein (E)

Animal physiology (T)
BT Physiology (DET)

Animal products (T)

Animal wastes (*)

Anion exchanging (T)
BT Ion exchanging (NT)
RT Cation exchanging (T)
Demineralization (DET)
Water softening (T)

Annelida (DT)
RT Worms (DNT)

Annelids (E)

Anthracite (ET)
BT Coal (DENT)

Antiknock (D)

Antiknock additives (NT)
BT Fuel additives (DT)

Aquaculture (ET)
UF Fish farming
RT Fisheries (DT)
Hydroponics (DNT)

Aquatic animals (DT)
NT Crustacea (DT)
RT Water pollution effects(Animals) (*)

Aquatic biology (T)
NT Aquatic microbiology (T)
Fresh water biology (T)
Marine biology (DNT)
RT Benthos (T)
Biochemical oxygen demand (DET)
Chemical oxygen demand (*)
Ecology (DENT)
Ecosystems (DEN)
Marine microorganisms (T)
Water pollution effects(Animals) (*)
Water pollution effects(Plants) (*)

Aquatic ecosystems (E)
BT Ecosystems (DEN)
RT Ecology (DENT)
Terrestrial ecosystems (E)

Aquatic microbiology (T)
RT Aerobic bacteria (DT)
Algae (DENT)
Anaerobic bacteria (DT)
Bacteria (DENT)
Fungi (DENT)
Marine microorganisms (T)
Phytoplankton (DET)

Aquatic organisms (DE)
BT Animals (DNT)
Plants (E)
Plants (Botany) (N)
Plants(Botany) (DT)
NT Amphibians (DE)
Crustacea (DT)
Crustaceans (E)
Echinodermata (DT)
Echinoderms (E)
Fishes (DENT)
Molluscs (E)
Mollusks (N)
Plankton (DENT)

Aquatic plants (DT)
BT Plants (Botany) (N)
Plants(Botany) (DT)
NT Aquatic weeds (DT)
Sea grasses (NT)

Aquatic weed control (*)
BT Weed control (DT)

Aquatic weeds (DT)
BT Aquatic plants (DT)

Aquifers (DENT)
RT Artesian wells (T)
Ground water (DENT)
Ground water recharge (T)
Hydrogeology (NT)
Water supply (T)

Arable land (T)
BT Land (NT)
RT Cultivation (NT)
Irrigation (ENT)
Land reclamation (ET)

Arctic gas pipelines (E)
BT Gas pipelines (F)
RT Alaska pipeline (E)
Trans Alaska pipeline (*)

Arctic regions (DENT)
BT Regions (DNT)

Areas (*)
RT Builtup areas (T)
Central city (T)
Communities (DENT)
Industrial areas (N)
Megalopolis (T)
Megalopolises (N)
Metropolitan areas (*)
Neighborhoods (T)
Remote areas (D)
Residential areas (N)

Rural areas (DENT)
Rural urban fringe (T)
Standard metropolitan statistical areas (*)
Suburban areas (N)
Urban areas (DET)

Arid land (DT)
BT Land (NT)
RT Deserts (DENT)
Dry farming (T)
Semiarid land (T)

Arid lands (N)
BT Land (NT)

Arid regions (*)
BT Regions (DNT)

Artificial recharge (*)
BT Ground water recharge (*)
NT Induced infiltration (*)
Pit recharge (*)

Artificial reefs (*)
RT Solid waste disposal (*)

Asbestos deposits (T)

Asbestos industry (*)
BT Industries (DNT)

Asbestosis (T)
BT Respiratory diseases (DNT)
RT Air pollution effects (Humans) (*)
Industrial medicine (DET)
Occupational diseases (DET)

Ashes (DENT)
RT Deashing (E)
Solid wastes (DE)

Asphalt plants (T)
BT Industrial plants (DENT)

Assessment (D)

Assessments (ENT)
NT Environmental impact assessments (*)

Asthma (DNT)
BT Respiratory diseases (DNT)

Atmosphere(Earth) - USE:
Earth atmosphere (ENT)

Atmospheric attenuation (NT)

Atmospheric boundary layer (N)

Atmospheric chemistry (DN)
NOTE: NTIS uses this term only to cover chemical reactions in or below the stratosphere.

Atmospheric circulation (DNT)

Atmospheric composition (NT)
RT Concentration (Composition) (N)
Concentration(Composition) (DT)

Atmospheric condensation (DT)
RT Dew (DNT)
Fog (DNT)
Precipitation (Meteorology) (N)
Precipitation(Meteorology) (T)

Atmospheric contamination control (*)
RT Indoor air pollution (D)
NOTE: NTIS uses this term only when closed manmade systems are discussed, e.g. spacecraft, submarines.

Atmospheric corrosion (DT)
BT Corrosion (DENT)
RT Air pollution effects(Materials) (*)

Atmospheric density (DNT)

Atmospheric diffusion (NT)
RT Hiway computer program (*)
Gaussian plume models (*)
Turbulent diffusion (DNT)

Atmospheric echo sounding (*)
RT Air pollution (DENT)
Remote sensing (ET)
Temperature inversions (D)

Atmospheric effects (N)
RT Air pollution effects(Materials) (*)
Erosion (DENT)
Soil erosion (DNT)
Wind effects (N)
Wind erosion (NT)

Atmospheric models (NT)
RT Computerized simulation (DNT)
Gaussian plume models (*)
Mathematical models (DENT)

Atmospheric motion (DT)
RT Atmospheric circulation (DNT)
Atmospheric diffusion (NT)
Gaussian plume models (*)
Global air pollution (N)
Temperature inversion (D)
Temperature inversions (NT)
Wind (Meteorology) (N)
Wind(Meteorology) (T)

Atmospheric physics (DNT)
RT Aeronomy (DNT)

Atmospheric temperature (DN)

Atomic absorption spectroscopy (E)

Atomic spectroscopy (DT)
RT Chemical analysis (DENT)
Spectrochemical analysis (T)

Attitude surveys (T)
RT Public opinion (DT)
Surveys (DNT)

Attitudes (T)
RT Opinions (T)
Public opinion (DT)

Audiometry (DNT)
RT Auditory defects (DNT)
Auditory perception (DNT)
Biomedical measurement (T)
Loudness discrimination (T)
Pitch discrimination (DT)

Auditory acuity (DT)
RT Auditory perception (DNT)

Auditory defects (DNT)
RT Audiometry (DNT)
Auditory perception (DNT)
Ear diseases (T)

Auditory masking (T)
RT Auditory perception (DNT)
Auditory perception (DNT)
BT Perception (NT)
Senses (T)
NT Binaural hearing (NT)
RT Acoustic perception (*)
Hearing (DN)
Loudness discrimination (T)
Pitch discrimination (DT)
Automobile engines (NT)
RT Positive crankcase ventilation (D)
Automobile exhaust (D)
RT Exhaust emissions (T)
Exhaust gases (DENT)
Automobile fuels (EN)
BT Fuels (DENT)
Automobile tires (T)
BT Tires (DENT)
RT Solid wastes (DE)
Automobile traffic reduction (*)
Automobiles (ENT)
BT Ground vehicles (DT)
Passenger vehicles (DT)
NT Electric automobiles (T)
RT Motor vehicles (T)
Automotive engineering (DT)
Automotive fuels (DET)
Automotive industry (DT)
BT Industries (DNT)
Automotive vehicles (D)
Backfilling (E)
RT Backfills (DT)
Land reclamation (ET)
Backfills (DT)
RT Backfilling (ET)
Earth fills (DT)
Background noise (DENT)
BT Noise (Sound) (N)
Noise(Sound)(DT)
Sound waves (DENT)
Bacteria (DENT)
NT Acid bacteria (*)
Aerobic bacteria (DT)
Azotobacter (DNT)
Beggiatoales (T)
Ferrobacillus (T)
Pseudomonas (DENT)
Salmonella (DENT)
Streptococcus (DENT)
Anaerobic bacteria (DT)
Clostridium (DET)
Clostridium botulinum (N)
Photobacterium (T)
Coliform bacteria (DT)
Coliforms (E)
Escherichia (N)
Escherichia coli (DET)
Enterobacteriaceae (DT)
Iron bacteria (*)
Ferrobacillus (T)
Thiobacillus ferrooxidans (E)
Methane bacteria (*)
Nitrogen fixing bacteria (T)
Azobacter (D)
Clostridium (DET)
Nitrobacter (N)
Pathogenic bacteria (*)
Sewage bacteria (*)
Soil bacteria (*)
Sulfur bacteria (*)
Beggiatoales (T)
Sulfate reducing bacteria (T)
Thiobacillus (T)
Thiobacillus oxidans (E)
Thiobacteriaceae (T)
Thiorhodaceae (T)
RT Aquatic microbiology (T)
Nitrogen fixation (ET)
Pathogens (N)
Soil microbiology (T)
Bacteriophages (DENT)
Bag papers (T)
BT Packaging papers (T)
Papers (NT)
RT Bags (DNT)
Bagasse (ET)
RT Agricultural wastes (ET)
Baghouses (*)
RT Air pollution control equipment (DT)
Fabric filters (*)
Bags (DENT)
BT Containers (DENT)
Packaging materials (DT)
NT Plastic bags (*)
RT Bag papers (T)
Bailie process (E)
RT Fluidized bed processes (D)
Fluidized bed processing (T)
Gasification (ENT)
Manufactured gas (T)
Solid waste disposal (*)
Synthetic fuels (DEN)
Waste processing (E)
Waste recycling (D)
DEF A fluidized-bed pyrolysis process using air for conversion of municipal solid waste into intermediate Btu gas.
Bailing (*)
BT Materials handling (DENT)
RT Solid waste disposal (*)
Ballast (DNT)
Ballast tanks (DT)
RT Oil pollution (D)
Ballast water (*)
BT Ballast (DNT)

RT Oil pollution (D)
Oil water separators (*)

Barges (DT)

Barium industry (*)
BT Metal industry (FT)

Bark (T)
RT Wood wastes (ET)

Barnlot wastes (*)
RT Agricultural wastes (ET)
Air pollution (DENT)
Animal wastes (*)
Feedlot wastes (*)
Manure (*)
Water pollution (DENT)

Barren land (N)
BT Land (NT)

Barriers (DNT)
RT Booms (Equipment) (N)
Booms(Equipment (T)
Oil pollution containment (*)
Oil retention booms (*)

Base lines (D)

Baseline measurements (*)

Baseline studies (*)

Bays (DEN)

Bays (Topographic features) (N)

Bays(Topographic features) (T)
BT Coastal topographic features (T)

Beaches (DNT)
BT Topographic features (T)

Beavon process (E)
RT Air pollution control (*)
Claus process (E)
Waste gas recovery (*)
NOTE: In this process, sulfur is converted to H2S using CoMoO4 catalyst.

Bed load (T)
BT Sediments (DENT)
RT Sedimentation (DET)
Suspended sediments (T)

Beef cattle (T)
RT Animal wastes (*)
Barnlot wastes (*)
Feedlot wastes (*)

Beneficiation (NT)
UF Minerals beneficiation
Ore beneficiation
RT Flotation (DENT)
Separation (DNT)
Size screening (T)
Size separation (NT)

Benefit cost analysis (T)

Benthos (ET)
RT Aquatic biology (T)
Biomass (ET)
DEF: The whole group of bottom dwelling organisims in a water body. This includes all organisims that crawl on, burrow in, or grow attached to the bottom.

Benzene poisoning (N)
BT Toxic diseases (NT)
RT Toxicology (DNT)

Berylliosis (ET)
BT Respiratory diseases (DNT)
RT Air pollution effects(Humans) (*)
Industrial medicine (DET)
Occupational diseases (DET)

Best technology (*)
RT Federal Water Pollution Control Act Amendments of 1972 (*)
Water pollution control (*)
DEF This term is used to stand for the concept of using the best available or best practicable technology to meet pollution control requirements.

Beverage containers (*)
BT Containers (DENT)
RT Bottles (DNT)
Cans (NT)
Container deposits (*)
Disposable containers (*)

Bilge Water (*)

Bioaccumulation (*)
BT Accumulation (DT)
Accumulations (N)
RT Biological accumulation (E)
Ecological concentrations (E)
Pesticide residues (*)
Residues (DENT)
DEF The abnormal or preferential accumulation of a substance from the environment by a plant or animal.

Bioassay (DENT)

Biochemical cycles (T)
NT Nitrogen cycle (ET)

Biochemical oxygen demand (DET)
UF BOD
BT Oxygen demand (T)
RT Aeration (DNT)
Biological productivity (T)
Chemical oxygen demand (*)
Dissolved gases (T)
Water pollution (DENT)
DEF The amount of oxygen necessary for the oxidative decomposition of a material by microorganisms.

Bioclimatology (NT)
BT Climatology (NT)
RT Microclimatology (DNT)

Biodegradation (E)
BT Decomposition (DENT)
RT Composts (T)
Sanitary landfills (E)

Biodeterioration (DT)
BT Decomposition (DENT)

RT Composts (T)
Environmental persistence (*)
Sanitary landfills (E)

BIOGAS process (E)
UF IGT waste process
BT Anaerobic digestion (E)
Anaerobic processes (DT)
Solid waste disposal (*)
RT Waste processing (E)
DEF an anaerobic digestion process for converting solid municipal waste and sewage into pipeline quality fuel, gas and an odor free, stable solid.

Bioindicators (*)
RT Indicator species (ET)

Biological accumulation (E)
BT Accumulation (DET)
RT Bioccccumulation (*)
Ecological concentration (E)
Pesticide residues (*)
Residues (DENT)

Biological adaptation (E)
BT Adaptation (DNT)
RT Acclimatization (DNT)
Ecology (DENT)

Biological indicators (E)
RT Bioindicators (*)
Indicator species (ET)

Biological industrial waste treatment (*)
BT Industrial waste treatment (T)
Water pollution control (*)
NOTE: NTIS uses this term only to cover the biological treatment of aqueous industrial wastes.

Biological insect control (D)
BT Insect control (DT)

Biological productivity (T)
NT Primary biological productivity (T)
RT Ecology (DENT)
Ecosystems (DEN)
Fertility (DENT)

Biological radiation effects (E)
BT Radiation effects (DENT)
NT Genetic radiation effects (E)

Biological stress (E)
RT Stress (Physiology) (N)
Stress(Physiology) (T)

Biological warfare agents (D)
RT Chemical warfare agents (D)
Demilitarization (DT)
Liquid waste disposal (*)
Military chemical agents (T)
Solid waste disposal (*)

Biologically stable substances (*)
RT Environmental persistence (*)
Residues (DENT)
DEF Chemicals that do not degrade from biological action. Such substances tend to persist in the environment.

Biomass (ET)
DEF All growing organic matter such as plants, trees, grasses, and algae.

Biosphere (EN)
RT Ecosystems (DEN)
Hydrologic cycle (T)
Sinks(Biosphere) (*)

Birds (DENT)

Black Clawson system (E)
RT Solid waste disposal (*)
Waste processing (E)
DEF A system for materials and energy recovery that uses wet processing of municipal solid wastes.

Black liquors (T)
BT Industrial wastes (ENT)
Spent liquors(Pulping) (T)
RT White liquors (T)
DEF Spent alkaline pulping liquors.

Blighted areas (T)
RT Central city (T)
Urban areas (DET)

Boats (DNT)
RT Ships (DENT)

BOD - USE:
Biochemical oxygen demand (DET)

Body burden (E)

Body burdens (*)

Boiler feedwater (*)
BT Feedwater (ET)
RT Boilers (DENT)

Boilers (DENT)
BT Heating equipment (NT)
NT Firetube boilers (*)
Once through boilers (*)
Steam generators (E)
Waste heat boilers (T)
RT Boiler Feedwater (*)
Furnaces (DENT)
Overfire air systems (*)

Booms (Equipment) (N)

Booms(Equipment) (DT)
NT Oil retention booms (*)
RT Oil pollution containment (*)

Boron industry (*)
BT Industries (DNT)

Bottles (DNT)
BT Containers (DENT)

Boundary Waters Treaty Between Canada and the United States (1901) (*)
BT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)
Legislation (DET)
RT Water pollution (DENT)

Boxboard (T)

Boxes (Containers) (N)

Boxes (DN)
Boxes(Containers) (T)
BT Containers (DENT)
Brewing industry (*)
BT Food industry (T)
Industries (DNT)
Brick industry (T)
Brines (DENT)
RT Salt water (DT)
Bubble separation (*)
BT Flotation (DENT)
Building products industries (*)
BT Industries (DNT)
Buildings (DENT)
NT Apartment buildings (ET)
Auditoriums (T)
Commercial buildings (ET)
Farm buildings (T)
Greenhouses (E)
Hospitals (DENT)
Houses (ET)
Industrial buildings (T)
Office buildings (E)
Public buildings (T)
Residential buildings (T)
Religious buildings (E)
School buildings (E)
Schools (DENT)
Skyscrapers (T)
RT Commercial sector (*)
Housing(Dwellings) (D)
Housing (*)
Industrial sector (*)
Residential sector (*)
Bulk handling (T)
RT Hauling (NT)
Materials handling (DENT)
Bureau of Land Management (*)
RT Federal agencies (*)
Goverment agencies (*)
Bureaus (Organizations) (N)
RT Government agencies (*)
Burners (DENT)
NT Gas burners (T)
Oil burners (DT)
Burning - USE:
Combustion (DENT)
Burning rate (DNT)
Burning time (NT)
By-products (EN)
RT Chars (E)
Byproducts (T)
RT Materials recovery (DENT)
Recycling (ENT)
Salvage (DT)
Utilization (DNT)
Waste recyling (D)
Calcium carbonates (ENT)
RT Carbonate rocks (E)
Dolomite(Rock) (T)
Limestone (DENT)
Cancer (DN)
RT Malignant neoplasms (T)
Neoplasms (E)
Canneries (T)
RT Canning (DENT)
Food processing (DT)
Industrial plants (DENT)
Canning (DENT)
BT Food processing (DT)
RT Canneries (T)
Cans (NT)
BT Containers (DENT)
Capitalized costs (T)
BT Cost (E)
Costs (DNT)
Expenses (T)
Carbon monoxide poisoning (DNT)
BT Toxic diseases (NT)
RT Toxicology (DNT)
Carbon tetrachloride poisoning (N)
BT Toxic diseases (NT)
RT Toxicology (DNT)
Carcinogenesis (DE)
BT Pathogenesis (DENT)
NT Leukemogenesis (E)
Cancer (DN)
RT Carcinogens (DENT)
Malignant neoplasms (T)
Carcinogens (DENT)
RT Cancer (DN)
Carcinogenesis (DE)
Malignant neoplasms (T)
Mutagens (DET)
Neoplasms (DENT)
Carcinomas (E)
BT Cancer (DN)
Diseases (DENT)
Malignant neoplasms (T)
Neoplasms (DENT)
Carpooling (E)
RT Air pollution abatement (E)
Fuel conservation (*)
Cascade impactors (E)
BT Impactors (NT)
Cat-ox process (E)
RT Waste gas recovery (*)
NOTE: In this process SO2 is changed to SO3 using V2O5 as a catalyst.
Catalysis (DENT)
Catalysts (DENT)
Catalytic chamber process (*)
RT Air pollution control (*)
Tyco process (E)
Waste gas recovery (*)
Catalytic reactors(Exhaust systems) (*)

RT Air pollution control equipment (DT)
Automobiles (ENT)
Exhaust systems (DNT)
Catch basins (T)
UF Debris basins
RT Combined sewers (T)
Sewers (T)
Storm sewers (T)
Cation exchanging (T)
BT Ion exchanging (NT)
RT Anion exchanging (T)
Demineralization (DET)
Water softening (T)
Cement industry (*)
BT Industries (DNT)
Centrifugal separation (*)
BT Separation (DNT)
Centrifuge separation (D)
Channel improvements (T)
RT Channel stabilization (T)
Channels(Waterways) (DT)
Channel stabilization (T)
RT Bank protection(Waterways) (T)
River regulation (T)
Channels(Waterways) (DT)
BT Waterways (D)
Waterways(Transportation) (T)
RT Bank protection(Waterways) (T)
Dredging (DT)
Waterways(Watercourses) (T)
Chemical analysis (DENT)
NT Activation analysis (E)
Chromatographic analysis (DT)
Colorimetric analysis (DT)
Electrolytic analysis (T)
Electrophotometry (T)
Fat analysis (T)
Flame photometry (T)
Gas analysis (DENT)
Gravimetric analysis (DET)
Ion selective electrode analysis (E)
Metallurgical analysis (T)
Microanalysis (DENT)
Neutron activation analysis (NT)
Parrosaniline analysis (*)
Phenol disulfonic acid analysis (*)
Polarographic analysis (DT)
Qualitative analysis (DNT)
Quantitative analysis (NT)
Radioactivation analysis (DT)
Saltzman analysis (*)
Spectrochemical analysis (T)
Spectroscopic analysis (NT)
Vacuum fusion analysis (T)
Volumetric analysis (DT)
Water analysis (DT)
West Gaeke analysis (*)
RT Air pollution detection (*)
Air pollution sampling (*)
Ash content (T)
Assaying (DT)
Atomic spectroscopy (DT)
Chemical composition (DENT)
Chemical indicators (DNT)
Chemical tests (NT)
Chromatography (DT)
Detectors (DNT)
Electron probes (DT)
EPA Method 5 (*)
EPA Method 6 (*)
EPA Method 7 (*)
EPA Method 8 (*)
EPA Method 9 (*)
EPA Method 10 (*)
Fluorometers (DT)
Food analysis (DT)
Gas chromatography (DENT)
Gas detectors (DNT)
Gas sampling (T)
Infrared spectroscopy (DNT)
Laser spectroscopy (*)
Liquid spectroscopy (*)
Mass spectroscopy (DENT)
Moisture meters (T)
Monitors (DNT)
Nephelometers (DNT)
pH meters (DT)
Photoelectric colorimeters (T)
Photometry (DT)
Raman spectroscopy (DNT)
Soil analysis (T)
Spectroscopy (DENT)
Toxic agent alarms (DT)
Turbidimeters (DT)
Water pollution detection (*)
Chemical attack (NT)
RT Air pollution effects(Materials) (*)
Corrosion (DENT)
Degradation (DNT)
Water pollution effects(Materials) (*)
Chemical attack(Degradation) (D)
RT Air pollution effects(Materials) (*)
Water pollution effects(Materials) (*)
Chemical composition (DENT)
RT Chemical analysis (DENT)
Chemical effluents (E)
BT Effluents (DNT)
RT Air pollution (DENT)
Gaseous wastes (E)
Liquid wastes (DE)
Radioactive effluents (E)
Solid wastes (DE)
Water pollution (DENT)
Chemical indicators (DNT)
RT Chemical analysis (DENT)
Chemical industry (DET)

BT Industries (DNT)
NT Drug industry (T)
Munitions industry (DT)
Organic chemicals industry (*)
Petrochemical industry (*)
RT Fertilizer industry (*)
Nitric acid plants (*)
Phosphate acid plants (*)
Plastics industry (DT)
Refineries (DT)
Rubber industry (T)
Sulfuric acid plants (*)

Chemical oxygen demand (*)
BT Oxygen demand (T)
RT Biochemical oxygen demand (DET)
Dissolved gases (T)
Water pollution (DENT)

Chemical plants (T)
BT Industrial plants (DENT)
RT Asphalt plants (T)
Chloralkali plants (*)
Nitric acid plants (*)
Refineries (DT)
Sulfuric acid plants (*)

Chemical reactions (DENT)
NT Desulfurization (DET)
Desulfurizing (N)
Photochemical reactions (DNT)
Reduction (Chemistry) (N)
Reduction(Chemistry) (T)
Sulfation (DNT)

Chemical reactivity (*)
RT Atmospheric chemistry (DN)
Chemical reactions (DENT)
Photochemical reactions (DNT)
Smog (DENT)

Chemical removal(Sewage treatment) (T)
RT Ammonia stripping (*)
Denitration (*)
Denitrification (*)
Nitrification (T)
Physical chemical treatment (*)
Precipitation (Chemistry) (N)
Precipitation(Chemistry) (T)
Separation (DNT)
Sewage filtration (T)

Chemical removal(Water treatment) (T)
BT Water treatment (DENT)

Chemical spills (*)
RT Hazardous materials (T)
Hazardous materials spills (*)
Oil spills (DE)
Water pollution (DENT)

Chemical stabilization (T)
BT Stabilization (DENT)
RT Sewage treatment (DET)
Water pollution control (*)

Chemical tests (NT)
RT Chemical analysis (DENT)

Chemical warfare agents (D)
RT Biological warfare agents (D)
Demilitarization (DT)
Liquid waste disposal (*)
Military chemical agents (T)
Solid waste disposal (*)

Chemically active fluid bed (*)
RT CAFB process (E)
Fluidized bed (E)
Fluidized bed processes (D)
Fluidized bed processing (T)
Fluidized bed processors (DNT)

Chimneys (DENT)
RT Smoke stacks (D)
Stacks (E)
NOTE: ERDA does not use this term to express smoke stacks. It limits its use to pipelike vents in the earth.

Chips (NT)
NT Wood chips (*)
NT Wood wastes (ET)

Chloralkali plants (*)
BT Chemical plants (T)
Industrial plants (DENT)

Chlorination (DENT)
NT Breakpoint chlorination (*)
RT Disinfection (DT)
Sewage treatment (DET)
Sterilization (DENT)
Water pollution control (*)

Chromatographic analysis (DT)
BT Chemical analysis (DENT)

CIAP - USE:
Climatic Impact Assessment Program (*)

Cigarette smoking (*)
RT Respiratory diseases (DNT)

Cities (NT)
RT See under Urban areas

Citrus fruit processing (*)
BT Food processing (DT)
Fruit processing (*)

Clarification (T)

Clarifiers (DT)

Classifiers (NT)
BT Separators (DNT)
NT Bowl classifiers (T)
Centrifugal classifiers (T)
Cone classifiers (T)
Dense media separators (T)
Drag classifiers (T)
Dry classifiers (T)
Electrostatic separation (E)
Electrostatic separators (T)
Fixed screens (T)
Hydraulic classifiers (T)
Jigs (DEN)
Jigs(Concentrators) (T)

Magnetic separation (D)
Magnetic separators (T)
Mechanical classifiers (T)
Nonmechanical classifiers (T)
Rake classifiers (T)
Revolving screens (T)
Sand tanks (T)
Settlers(Separators) (T)
Sluicers(Concentrators) (T)
Solid bowl classifiers (T)
Spiral classifiers (T)
Tables(Concentrators) (T)
Thickeners(Equipment) (T)
Vibrating screens (T)
Wet classifiers (T)
RT Clarifiers (DT)
Flotation (DENT)
Size separation (NT)
Solid waste disposal (*)

Classifying (NT)
BT Separation (DNT)
RT Solid waste disposal (*)
Sorting (DEN)
Waste processing (E)

Claus process (E)
RT Beavon process (E)
Stretford process (E)
Waste gas recovery (*)
NOTE: In this process H2S and SO2 are reacted to form sulfur.

Clean Air Act (E)
BT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)
Legislation (DET)
RT Air pollution (DENT)
Air pollution abatement (E)
NOTE: Enacted in 1973.

Clean Air Amendments of 1970 (*)
UF Public law 91-604
RT Air pollution (DENT)
Air pollution abatement (E)

Clean coke process (E)
RT Air pollution abatement (E)
Carbonization (ENT)
Hydrogenation (DENT)
DEF Process that combines carbonization and hydrogenation reactions to convert nonmetallurgical-grade coals to low-sulfur metallurgical coke, chemical feedstocks, and liquid and gaseous fuels.

Clean energy (N)

Clearcutting (*)
RT Forestry (DT)
Lumbering (T)

Climatic changes (T)

Climatic Impact Assessment Program (*)
RT Atmospheric chemistry (DN)
Concorde aircraft (N)
Supersonic aircraft (DNT)
Supersonic commercial air transport (N)
Supersonic transport (E)
Supersonic transports (DNT)

Climatology (NT)
NT Bioclimatology (NT)
Microclimatology (DNT)

Closed cycle systems (D)

Closed-cycle systems (E)
RT Closed-cycle cooling systems (E)

Coagulants (T)
RT Alums (T)
Dispersants (DT)
Flocculants (T)
Iron chlorides (ENT)
Iron sulfate (ET)
Polyelectrolytes (DT)

Coagulation (DNT)

Coal (DENT)
BT Fuels (DENT)
Fossil fuels (DENT)
NT Anthracite (ET)
Bituminous coal (ET)
Black coal (E)
Brown coal (E)
Cannel coal (ET)
Cellar coal (T)
High sulfur coal (*)
Lignite (ET)
Low sulfur coal (*)
Semibituminous coal (T)
Solvent refined coal (E)
Subbituminous coal (ET)
Torbanite (E)
RT Heating fuels (T)

Coal combustion (*)
BT Combustion (DENT)
Fuel combustion (N)
RT Fluidized bed combustion (*)
Fluidized-bed combustion (E)
Fluidized bed processing (T)

Coal dust (T)
BT Dust (DNT)
RT Particles (DENT)
Particulates (D)

Coal gas (DET)
BT Fuel gas (E)

Coal gasification (ENT)

Coal gasification plants (E)
BT Industrial plants (DENT)

Coal liquefaction (EN)

Coal liquefaction plants (E)
BT Industrial plants (DENT)

Coal mines (DT)

Coal mining (ET)
BT Mining (ENT)
Mining engineering (DT)

Coal preparation (ET)
RT Beneficiation (NT)
Desulfurization (DET)
Desulfurizing (N)
Solvent-refined coal (E)
DEF Grinding, screening, etc., to prepare coal for industrial uses.
Coal refuse (*)
BT Mine wastes (*)
Solid wastes (DE)
RT Coal mine spoil (*)
Spoil (DT)
Strip mine wastes (*)
Coalescence (DE)
Coalescers (T)
Coalescing (NT)
Coastal ecology (N)
BT Ecology (DENT)
Coastal engineering (T)
Coastal regions (DE)
BT Regions (DNT)
RT Coastal water (N)
Coastal waters (E)
Coasts (DNT)
Coastal topographic features (T)
BT Topographic features (T)
NT Bays (Topographic features) (N)
Bays(Topographic features) (T)
Coasts (DNT)
Estuaries (DENT)
Gulfs (DNT)
Inlets (Topography) (N)
Inlets(Landforms) (T)
Inlets(Waterways) (DT)
RT Beaches (DNT)
Coastal zone management (*)
RT Coastal Zone Management Act of 1972 (*)
Fishery Conservation and Management Act of 1976 (*)
Coastal Zone Management Act of 1972 (*)
BT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)
Legislation (DET)
RT Coastal zone management (*)
Coasts (DNT)
BT Coastal topographic features (T)
Topographic features (T)
Coating processes (ET)
NT Lacquering (T)
Varnishing (T)
Coking (ET)
Cold effluents (E)
RT Thermal pollution (DEN)
Water pollution (DENT)
Industrial wastes (ENT)
Cold regions (D)
BT Regions (DNT)
RT Antarctic regions (DENT)
Arctic regions (DENT)
Polar regions (DENT)
Collecting methods (DT)
RT Hauling (NT)
Materials handling (DENT)
Collection (DNT)
Color separation (DT)
BT Separation (DNT)
RT Solid waste disposal (*)
Sorting (DEN)
Colorimetric analysis (DT)
BT Chemical analysis (DENT)
RT Spectroscopic analysis (NT)
Colorimetry (DENT)
Combined cycle electric power generation (*)
RT Cogas power systems (*)
Combined cycles (E)
BT Thermodynamic cycles (DENT)
Combined sewers (T)
BT Sewers (T)
RT Storm sewers (T)
Storm water run off (*)
Combined-cycle power plants (E)
UF Combined gas and steam cycle power plants
BT Thermal power plants (DET)
RT Combined cycles (E)
NOTE: Prior to March 1976, the descriptors combined cycles and fossil-fuel power plants or thermal power plants were used by ERDA for indexing this concept.
Combustion (DENT)
UF Burning
NT Coal combustion (*)
Fluidized bed combustion (*)
Fluidized-bed combustion (E)
Fuel combustion (EN)
Gas combustion process (E)
In situ combustion (T)
In-situ combustion (E)
Reverse combustion (E)
RT Air fuel ratio (*)
Burning rate (DNT)
Burning time (NT)
Combustion chambers (DENT)
Combustion control (NT)
Combustion efficiency (NT)
RT Energy conversion efficiency (N)
Combustion modification (*)
RT Air pollution abatement (E)
Air pollution control (*)
Combustion products (DENT)
RT Air pollution (DENT)
NOTE: This term is often used to express air pollution from stationary sources. For pollution from moving sources, exhaust gases is used.
Combustion properties (E)

RT Calorific value (ET)
Cominco process (*)
RT Air pollution control (*)
DEF Ammonia absorption system used in air pollution control.
Commercial buildings (ET)
BT Buildings (DENT)
RT Service stations (*)
Commercial sector (*)
Comminution (DENT)
NT Crushing (DENT)
Grinding (Comminution) (N)
Grinding(Comminution) (T)
Shredding (DNT)
RT Solid waste disposal (*)
Waste processing (E)
Communities (DENT)
RT Municipalities (DT)
Neighborhoods (T)
Suburban areas (N)
Urban areas (DET)
Community development (T)
RT Economic development (ENT)
Land development (T)
Regional planning (NT)
River basin development (T)
Urban development (NT)
Urban renewal (T)
Urbanization (T)
Community relations (DT)
RT Public relations (DENT)
Compacting (DENT)
RT High pressure compressors (DT)
Compactors (DN)
Competition (T)
Compliance (E)
NT Standards compliance (*)
RT Law enforcement (DT)
Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)
Composting (E)
RT Solid waste disposal (*)
Waste processing (E)
Composts (T)
RT Biodegradation (E)
Biodeterioration (DT)
Solid waste disposal (*)
Comprehensive planning (*)
Compressor noise (DT)
BT Noise (Sound) (N)
Noise(Sound) (DT)
Computer programs (DENT)
NT Nexus computer code (*)
Symap computer program (*)
NOTE: NTIS uses this term only when an actual program is listed in a report.
Computerized simulation (DNT)
RT Mathematical models (DENT)
Concentration (Composition) (N)
Concentration(Composition) (DT)
RT Atmospheric composition (NT)
Concorde aircraft (N)
BT Aircraft (DENT)
Supersonic aircraft (DNT)
RT Supersonic transport (ET)
Supersonic transports (DN)
Concrete plants (T)
BT Industrial plants (DENT)
Condensation nuclei (DT)
Confined environments (DT)
RT Atmospheric contamination control (*)
Indoor air pollution (D)
Mines(Excavations) (DT)
Spacecraft (ET)
Submarines (ENT)
Connate water (ET)
BT Ground water (DENT)
Conservation (DNT)
NT Energy conservation (DEN)
Soil conservation (T)
Water conservation (DT)
RT Water reclamation (DNT)
Container board (T)
BT Fiberboard (D)
Fiberboards (T)
Packaging materials (DT)
Paper (DE)
Paperboards (T)
Papers (NT)
RT Boxboard (T)
NOTE: Used in corrugated shipping cartons.
Container deposits (*)
Containers (DENT)
NT Aerosol spray containers (*)
Bags (DENT)
Bottles (DNT)
Boxes (Containers) (N)
Boxes(Containers) (T)
Disposable containers (*)
Plastic bags (*)
Continental shelf (E)
Continental shelves (DNT)
BT Topographic features (T)
Contingency planning (*)
BT Planning (DENT)
RT Air pollution episodes (*)
Oil spills (DE)
Regional planning (NT)
Urban planning (DNT)
Continuous sampling (T)
BT Sampling (DENT)
RT Air pollution monitoring (*)
Air pollution sampling (*)
Water pollution sampling (*)
Cooking liquors(Pulping) (T)

NT Black liquors (T)
Spent sulfite liquors (T)
Sulfite cooking liquors (T)
White liquors (T)
RT Chemical pulping (T)
Spent liquors(Pulping) (T)

Cooling systems (ENT)
NT Closed cycles (N)
Closed cycle cooling systems (E)
Condenser cooling systems (E)
Coolant loops (E)
Coolants (NT)
Once-through cooling systems (E)
Open-cycle cooling systems (E)
Reactor cooling systems (E)
RT Cooling (ENT)
Cooling ponds (E)
Cooling towers (DET)
District cooling (E)
Liquid cooling (NT)
Spray cooling (E)

Cooling towers (DET)
NT Mechanical draft cooling towers (E)
Natural draft cooling towers (E)
RT Cooling systems (ENT)
Thermal pollution (DEN)
Water pollution control (*)

Cooling water (T)
RT Industrial water (T)

Copper industry (*)
BT Metal industry (ET)

Corrosive gases (DT)
RT Hazardous materials (T)

Corrosive liquids (DT)
RT Hazardous materials (T)

Cost effectiveness (DNT)

Cost estimates (DNT)

Costs (DN)
NT Capitalized costs (T)
Construction costs (T)
Engineering costs (T)
Fixed costs (T)
Incremental costs (T)
Operating costs (T)
Water costs (T)
RT Container deposits (*)
Expenses (T)
Fines(charges) (*)
Sewer surcharges (*)
Tax surcharges (*)
Taxes (DET)
Water pollution taxes(Charges) (*)
Water rates (*)

County government (*)
RT Local government (T)

County planning (*)
BT Planning (DENT)
RT Regional planning (NT)

Cross flow filtration (*)
BT Filtration (DENT)
Sewage filtration (T)

Crude oil (DENT)
BT Fossil fuels (DENT)
Oils (DENT)
Petroleum (E)
NT Attic oil (T)
Cellar oil (T)
Mixed base crudes (T)
Naphthalene base crudes (T)
Paraffin base crudes (T)
Sour crudes (ET)
Sweet crudes (T)

Crushing (DENT)
BT Comminution (DENT)
RT Waste processing (E)

Crustacea (DT)
BT Aquatic animals (DT)
Shellfish (DT)
NT Barnacles (DT)
Crabs (DNT)
Crayfishes (T)
Crustaceans (E)
Lobster (D)
Lobsters (ET)
Shrimp (DE)
Shrimps (T)

Crustaceans (E)

Cycling nutrients (*)
BT Nutrients (DENT)

Cyclone separators (DET)
BT Separators (DNT)
RT Air pollution control equipment (DT)

Dairy industry (*)
BT Industries (DNT)

Dairy products (DT)
RT Whey (*)

Dams (DENT)

Data acquisition (DENT)

Data retrieval (NT)
RT Air quality data (*)
Information retrieval (DENT)

Deaeration (DT)
BT Degasification (D)
Degassing (ENT)
RT Aeration (DNT)

Deashing (E)
RT Ashes (DENT)
Cleaning (DENT)

Decomposition (DENT)
NT Biodegradation (E)
Biodeterioration (DT)

Deep water oil terminals (E)
BT Deepwater terminals (N)
Marine terminals (DT)
RT Supertankers (*)
Tanker terminals (N)

Terminal facilities (NT)
Deepwater terminals (N)
RT Offshore energy sources (N)
Tanker terminals (N)
Degassing (ENT)
BT Separation (DNT)
NT Deaeration (DT)
RT Aeration (DNT)
Degasification (D)
Degradation (DNT)
NT Chemical attack(Degradation) (D)
RT Air pollution effects(Materials) (*)
Deterioration (DNT)
Soiling index (*)
Water pollution effects(Materials) (*)
Deicers (NT)
RT Deicing (NT)
Deicing systems (D)
Highways (DENT)
Deicing (NT)
RT Highways (DENT)
Ice prevention (DNT)
Demilitarization (DT)
RT Biological warfare agents (D)
Chemical warfare agents (D)
Liquid waste disposal (*)
Military chemical agents (*)
Solid waste disposal (*)
Demineralizers (DET)
Demineralizing (NT)
RT Chemical removal(Water treatment) (T)
Feedwater treatment (T)
Ion exchanging (NT)
Osmosis (DENT)
Water hardness (*)
Water softening (T)
Water treatment (DENT)
Denitration (ET)
Denitrification (*)
RT Ammonia stripping (*)
Desalting (T)
RT Desalination (DE)
Desalinization (N)
Osmosis (DENT)
Reverse osmosis desalination (*)
Water treatment (DENT)
Deserts (DENT)
BT Land (NT)
NT Gobi desert (N)
Libyan desert (N)
Mojave desert CA (N)
Destratification (*)
RT Lakes (DENT)
Reservoirs (DNT)
Stratification (DENT)
Thermal stratification (*)
Destructive distillation (ET)
BT Distillation (DENT)
RT Decomposition (DENT)
Pyrolysis (DENT)
Destrugas process (E)
BT Waste processing (E)
DEF Gasification in complete absence of air with indirect heating of the pyrolysis chamber with char and pyrolysis gas (fuel gas) as the only products.
Desulfurization (DET)
BT Chemical reactions (DENT)
Coal gasification (DET)
Coal liquefaction (EN)
RT Coal preparation (ET)
NOTE: NTIS does not use this term to express sulfur removal for air pollution control after or during combustion. It is used only when sulfur is being removed from a fuel before it is combusted.
Desulfurizing (N)
BT Chemical reactions (DENT)
Detection (DNT)
NT Acoustic detection (DT)
Detectors (DNT)
NT Acoustic detectors (DT)
Airborne detectors (T)
Densitometers (*)
Gas detectors (DNT)
Impactors (NT)
Infrared detectors (DNT)
Monitors (DNT)
Photometers (DENT)
Piezoelectric gages (DNT)
Radiometers (DENT)
Samplers (DENT)
Smokemeters (*)
Toxic agent alarms (DT)
Transmissometers (DNT)
Warning systems (DNT)
Detergents (DENT)
Deterioration (DNT)
RT Air pollution effects(Materials) (*)
Degradation (DNT)
Soiling index (*)
Water pollution effects(Materials) (*)
Dewatering (T)
RT Sewage treatment (DET)
Sludge disposal (T)
Sludge treatment (*)
Diesel engine exhaust (*)
BT Exhaust emissions (T)
Exhaust gases (DENT)
RT Diesel engines (DENT)
Diesel engines (DENT)
BT Engines (DENT)
Diesel fuels (DENT)
BT Fuels (DENT)
Diffusion modeling (*)
Digestion (E)

NT Aerobic digestion (E)
Anaerobic digestion (E)
RT Biogas process (E)
Digestion(Biology) (DT)
Digestion(Decomposition) (T)
RT Decomposition (DENT)
Digesters (T)
Disinfection (DT)
RT Chlorination (DENT)
Irradiation (DET)
Ionizing radiation (DNT)
Microwave sterilization (*)
Sterilization (DENT)
Dispersants (DT)
RT Coagulants (T)
Flocculants (T)
Dispersing (DNT)
RT Emulsification (ET)
Disposable containers (*)
BT Containers (DENT)
RT Beverage containers (*)
Bottles (DNT)
Dissolved gases (T)
RT Biochemical oxygen demand (DET)
Chemical oxygen demand (*)
Dissolved organic matter (T)
Dissolved oxygen (T)
RT Dissolved gases (T)
Dissolved solids (*)
Dissolving (DNT)
Distillation (DENT)
NT Destructive distillation (ET)
Distilleries (T)
RT Industrial plants (DENT)
Dolomite (DE)
Dolomite (Mineral) (N)
RT Limestone (DENT)
Dolomite(Mineral) (T)
Dolomite(Rock) (T)
BT Carbonate rocks (ET)
RT Calcium carbonates (ENT)
Limestone (DENT)
Domestic wastes (*)
RT Solid wastes (DE)
Water pollution (DENT)
Dosage (DNT)
NT Genetically significant dose (E)
Integral doses (E)
Lethal dosage (DT)
Lethal doses (E)
Lethal radiation dose (E)
Radiation dosage (DNT)
Radiation doses (E)
RT Dose rate (DT)
Dose rates (E)
Doses (E)
Exposure (NT)
Dosemeters (E)
Dosimeters (DNT)
NT Chemical dosemeters (E)
Chemical dosimeters (T)
Foil dosimeters (T)
Luminescent dosemeters (E)
Luminescent dosimeters (DT)
Photographic dosimeters (DT)
Radioactivant dosimeters (T)
Threshold detectors (E)
Threshold detectors (Dosimeters) (N)
Threshold detectors(Dosimeters) (T)
RT Dosage (DNT)
Radiation counters (NT)
Radiation measuring instruments (DNT)
DEF Devices for measuring time integrated dose but not necessarily radioactivity.
Drainage (DNT)
NT Mine acid drainage (*)
Storm water drainage (*)
Subsurface drainage (T)
Surface drainage (T)
RT Runoff (DT)
Storm water runoff (*)
Surface water runoff (T)
Tile drains (*)
Drainage basins - USE:
Watersheds (DENT)
Dredge spoil (*)
BT Spoil (DT)
RT Dredging (DT)
Solid wastes (DE)
Dredging (DT)
Drinking water (DE)
RT Potable water (NT)
Drought (N)
Droughts (T)
RT Arid regions (*)
Climatology (NT)
Dust storms (DNT)
Hydrology (DENT)
Water consumption (NT)
Water shortage (*)
Drug industry (DT)
BT Chemical industry (DET)
Industries (DNT)
Dry cleaning (DT)
Dry methods (*)
RT Wet methods (*)
Dual-purpose power plants (E)
BT Power plants (EN)
RT Desalination (DE)
District heating (ET)
Power generation (E)
Process heat (E)
Dunes (DNT)
BT Topographic features (T)
RT Beaches (DNT)
Deserts (DENT)

Dust (DNT)
NT Coal dust (T)
Flue dust (T)
RT Particle resuspensions (E)
RT Particles (DENT)
Particulates (D)
Dust collectors (ENT)
BT Separators (DNT)
RT Air filters (DENT)
Air pollution control equipment (*)
Air washers (T)
Dust control (DT)
Dust control (DT)
RT Air pollution control (*)
Dust filters (T)
BT Separators (DNT)
RT Air cleaners (DT)
Air filters (DENT)
Dust storms (DNT)
RT Air pollution (DENT)
Dust (DNT)
Dust control (DT)
Particles (DENT)
Dusts (E)
Ear diseases (T)
RT Auditory defects (DNT)
Ultrasonic injuries (T)
Ear protectors (DNT)
RT Industrial medicine (T)
Occupational health and safety (*)
Earth atmosphere (ENT)
Earth environment (N)
Earth fills (DT)
RT Backfills (DT)
Sanitary landfills (E)
Solid waste disposal (*)
Earth hydrosphere (T)
Earth resources (N)
BT Resources (DENT)
RT Natural resources (DT)
Ecological concentration (E)
NT Radioecological concentration (E)
RT Bioaccumulation (*)
Biological accumulation (E)
Ecological succession (T)
BT Ecology (DENT)
Ecology (DENT)
NT Animal ecology (T)
Coastal ecology (N)
Human ecology (T)
Plant ecology (T)
Radioecology (ET)
RT Acclimatization (DNT)
Adaptation (DNT)
Aquatic ecosystems (E)
Biological adaptation (E)
Biological productivity (T)
Biosphere (EN)
Ecological succession (T)
Ecosystems (DEN)
Food chain (D)
Food chains (ET)
Life cycles (DT)
Primary biological proauctivity (T)
Radioecological concentration (E)
Sinks(Biosphere) (*)
Terrestrial ecosystems (E)
Economic analysis (DNT)
RT Air pollution economics (*)
Water pollution economics (*)
Economic development (ENT)
RT Community development (T)
Urban development (NT)
Economic factors (NT)
NT Socio-economic factors (E)
RT Financial incentives (E)
Economic forecasting (T)
RT Forecasting (DENT)
Trends (DNT)
Economic impact (*)
Economic models (DT)
Economic surveys (T)
Ecosystems (DEN)
NT Aquatic ecosystems (E)
Terrestrial ecosystems (E)
RT Biosphere (EN)
Ecology (DENT)
Mineral cycling (E)
Effective perceived noise levels (N)
BT Noise levels (*)
Effluents (DNT)
NT Chemical effluents (E)
Cold effluents (E)
Sewage treatment effluents (*)
Thermal effluents (E)
RT Air pollution (DENT)
Water pollution (DENT)
NOTE: Because of the broadness of this term, it is preferred that a narrower one be used.
EGR systems - USE:
Exhaust recirculation systems (E)
Electric automobiles (DT)
BT Electric-powered vehicles (E)
Electric vehicles (T)
RT Automobiles (ENT)
Electric motor noise (DT)
RT Motor noise (T)
Electric power generation (T)
BT Power generation (E)
Power systems (E)
NT Diesel electric power generation (T)
Direct electric power generation (T)
Cogas power systems (*)
Closed-cycle power generation (E)
Combined cycle electric power generation (*)

Electrochemical power generation (T)
Electrohydrodynamic power generation (T)
Gas turbine power generation (T)
Hydroelectric power generation (T)
Magnetohydrodynamic power generation (T)
Mobile power generation (T)
Nuclear electric power generation (NT)
Precise power generation (T)
Solar power generation (T)
Standby power generation (T)
Steam electric power generation (T)
Thermionic power generation (DNT)
Thermoelectric power generation (DNT)
Thermonuclear power generation (NT)
Tidal power generation (T)
Uninterruptible power generation (DT)
Wind power generation (T)
RT Electric power production (D)

Electric power plants (DNT)
BT Power plants (DNT)
Auxiliary power plants (DT)
NT Coal fired power plants (*)
Combined-cycle power plants (E)
Fossil-fuel power plants (E)
Fuel cell power plants (E)
Geothermal power plants (E)
Hydroelectric power plants (E)
Hydroelectric power stations (N)
MHD power plants (E)
Nuclear power plants (DENT)
Offshore nuclear power plants (E)
Orbital solar power plants (E)
Solar power plants (E)
Solar sea power plants (E)
Solar thermal power plants (E)
Steam power plants (D)
Thermal power plants (DET)
Tidal power plants (ET)
Underground nuclear stations (E)
Underwater nuclear power plants (*)

Electric power production (D)
BT Power generation (E)
NT See under Electric power generation
RT Electric power generation (T)

Electric power systems - USE:
Power systems (E)

Electric trucks (T)
BT Electric vehicles (T)
Trucks (DNT)

Electric utilities (ET)
BT Public utilities (DET)
Utilities (T)

Electric vehicles (T)
BT Ground vehicles (DT)
NT Electric automobiles (T)
Electric trucks (T)
RT Automobiles (ENT)
Electric locomotives (T)
Electric-powered vehicles (E)
Hybrid electric-powered vehicles (E)

Electric-powered vehicles (E)
RT Electric automobiles (T)
Electric batteries (DENT)
Electric trucks (T)
Electric vehicles (T)
Fuel cells (DENT)
Hybrid electric-powered vehicles (E)

Electrodes (DENT)
NT Ion selective electrodes (DN)

Electromagnetic radiation hazards (*)
BT Hazards (DENT)
Radiation hazards (DENT)
NT Laser injuries (*)
Microwave radiation hazards (*)
Microwave radiation leakage (*)
Radiofrequency radiation hazards (*)
X ray radiation leakage (*)
RT Ionizing radiation (DNT)

Electroplating (DENT)
BT Metal finishing (NT)
Plating (DENT)

Electrostatic precipitation (DT)
RT Air pollution control (*)

Electrostatic precipitators (ENT)
RT Air pollution control equipment (DT)

Emergency plan (E)

Emergency planning (*)

Emission factors (*)

Emphysema (DNT)
BT Respiratory diseases (DNT)

Emulsification (ET)
RT Coagulation (DNT)
Dispersing (T)
Flocculation (ET)

Endangered species (E)
BT Animals (DENT)
Plants (E)
Plants (Botany) (N)
Plants(Botany) (DT)
DEF Species in danger of extinction in all or a significant part of its range.

Energy (DENT)
NT Clean energy (N)
Commercial energy (N)
Electric power (DENT)
Geothermal energy (E)
Hydrogen-based energy (N)
Industrial energy (N)
Nuclear energy (DENT)
Solar energy (DENT)
Thermal energy (N)
Thermonuclear energy (DT)
Transportation energy (N)
Waterwave energy (N)

Energy Policy and Conservation Act (*)
UF Public Law 94-163

BT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)
Legislation (DET)
RT Energy conservation (DEN)

Energy conservation (DEN)
RT Energy Policy and Conservation Act (*)
Energy source conservation (*)
Fuel economy (E)
Mius (E)
Modular integrated utility systems (*)
Resource conservation (E)
Thermal efficiency (ET)
Thermodynamic efficiency (N)
Total energy systems (E)

Energy consumption (DEN)
BT Consumption (DNT)
NT Electric power consumption (*)
Fuel consumption (DENT)
Heat consumption (*)
RT Commercial energy (N)
Consumption rate (T)
Consumption rates (E)
Electric power demand (T)
Energy use (*)
Fuel demand (*)
Off peak energy use (*)
Net energy (E)

Energy crisis (*)

Energy demand (E)
NT Electric power demand (T)
Fuel demand (*)
RT Demand factors (E)
Electric power consumption (*)
Energy cosumption (DEN)
Energy use (*)
Fuel consumption (DENT)
Off peak energy use (*)
Peak-load pricing (E)

Energy forecasts (*)

Energy management (D)
NT Fuel management (E)
RT Energy policy (EN)
Resource allocation (*)

Energy models (E)

Energy parks (E)
NT Nuclear agro industrial complexes (*)
Nuclear parks (E)

Energy policy (EN)
RT Energy management (D)
Fuel management (E)
Government policies (ET)
Project Independence (E)
Resource allocation (N)

Energy requirements (N)
RT Electric power consumption (*)
Electric power demand (T)
Energy consumption (DEN)
Energy demand (E)
Fuel consumption (DENT)
Fuel demand (*)

Energy shortages (E)
BT Shortages (DT)
NT Fuel shortages (D)
RT Brownouts (DE)
Electric power failures (T)
Outages (T)

Energy source conservation (*)
BT Energy conservation (DEN)
RT Energy management (D)
Energy policy (EN)
Fuel management (E)
Resource allocation (N)

Enforcement (E)
RT Law enforcement (DT)
Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)
Legal aspects (E)
Pollution regulations (E)
Regulations (DENT)

Engine mufflers (DT)
BT Mufflers (DNT)
RT Noise reduction (DNT)

Engine noise (DNT)
BT Noise (Sound) (N)
Noise(Sound) (DT)
NT Jet engine noise (DT)

Engine warm up (*)
RT Automobile engines (NT)
Motor vehicle engines (T)

Engines (DENT)
NT Aircraft engines (DNT)
Arc jet engines (DT)
Automobile engines (NT)
CVCC engines (*)
Diesel engines (DENT)
External combustion engines (DNT)
Four stroke cycle engines (T)
Free piston engines (T)
Gas engines (T)
Gas turbine engines (DNT)
Gasoline engines (T)
Heat engines (E)
Helicopter engines (DNT)
Hydroduct engines (DT)
Hydrojet engines (DT)
Hydropulse engines (DT)
Internal combustion engines (ENT)
Jet engines (DNT)
Marine engines (DT)
Motor vehicle engines (T)
Multifuel engines (T)
Outboard engines (T)
Piston engines (DNT)
Pulsed jet engines (N)

Pulsejet engines (DNT)
Pumping engines (T)
Ramjet engines (DENT)
Rankine cycle engines (E)
Reciprocating engines (DT)
Recombination ramjet engines (DT)
Rotary combustion engines (T)
Rotary engines (E)
Rotary piston engines (T)
Small engines (T)
Solid propellant rocket engines (NT)
Spark ignition engines (ET)
Stationary engines (T)
Steam engines (DT)
Stirling cycle engines (T)
Stratified charge engines (T)
Supersonic combustion ramjet engines (DNT)
Test engines (T)
Tractor engines (DT)
Truck engines (T)
Turbine engines (N)
Turbofan engines (DNT)
Turbojet engines (ENT)
Turboprop engines (DNT)
Turboramjet engines (DNT)
Two stroke cycle engines (T)
Wankel engines (EN)
DEF These are machines with self-containing power sources for continuous operation. For machines utilizing external power sources for normal operation, see Motors

Entrainment (DENT)

Environment effects (N)

Environment management (N)
BT Management (DENT)
RT Conservation (DNT)
Land management (N)
Man environment interactions (N)
Resources management (N)
Water management (N)

Environment models (N)
RT Atmospheric models (NT)
Mathematical models (DENT)

Environment pollution (N)
BT Pollution (DENT)
NT See under pollution

Environment protection (N)

Environmental chemical substitutes (*)
BT Substitutes (DNT)
RT Environmental persistence (*)
DEF Chemicals used to replace others which have a more harmful effect on the environment.

Environmental effects (E)
RT Environmental impacts (*)
NOTE: NTIS uses this term only when the actual effects to the environment are discussed.

Environmental exposure pathway (E)
RT Ecosystems (DEN)
Food chains (ET)
Path of pollutants (*)

Environmental health (*)
RT Air pollution effects(Humans) (*)
Altitude sickness (T)
Cold stress (T)
Heat stress (T)
Hyperbaric oxygenation (T)
Industrial medicine (T)
Occupational safety and health (T)
Public health (T)
Radiation effects (T)
Sanitary engineering (T)
Stress(Physiology) (T)
Stress(Psychology) (T)
Water pollution effects(Humans) (*)
DEF Used when discussing the adverse effects on human health from man-made or natural environments. Includes effects from all forms of pollution, extreme natural environments, or industrial environments.

Environmental impact assessments (*)
BT Assessments (ENT)

Environmental impact statements (DE)
NOTE: These are special environmental reviews required for all major Federal projects that might affect the environment. After July 1976, NTIS noted whether a report was a final or draft statement.

Environmental impact statements-draft (*)

Environmental impact statements-final (*)

Environmental impacts (*)
RT Environmental effects (E)

Environmental issues (*)

Environmental legislation - USE:
Legislation (DET)

Environmental monitoring (N)
BT Monitoring (DET)
RT Air pollution sampling (*)
Water pollution sampling (*)

Environmental persistence (*)
RT Absorption(Biology) (T)
Bioaccumulation (*)
Biodeterioration (DT)
Biologically stable substances (*)
Pesticide residues (*)
Residues (DENT)
Soil chemistry (T)
Water chemistry (DET)

Environmental protection (D)
RT Air pollution abatement (T)
Air pollution control (*)
Noise reduction (DNT)
Pollution control (N)
Solid waste disposal (*)
Water pollution abatement (DE)
Water pollution control (*)

Environmental Protection Agency (*)
BT Federal agencies (*)
Government agencies (*)
RT Pollution control agencies (E)
Environmental quality (N)
RT Air quality (DEN)
Water quality (DENT)
Environmental research (*)
Environmental surveys (NT)
BT Surveys (DNT)
RT Air pollution (DENT)
Reactor siting (E)
Site selection (DE)
Site surveys (T)
Solid wastes (DE)
Water pollution (DENT)
Environmental transport (*)
BT Mass transfer (DENT)
NT Radionuclide migration (*)
RT Ecological concentration (E)
Environment (E)
Radioecological concentation (E)
Environments (DNT)
Enzyme technology (*)
BT Enzymes (DENT)
RT Immobilized enzymes (*)
EPA Method 5 (*)
RT Air pollution detection (*)
Chemical analysis (DENT)
EPA Method 6 (*)
EPA Method 7 (*)
RT Air pollution detection
Nitrogen oxides (DENT)
Phenol disulfonic acid analysis (*)
EPA Method 8 (*)
EPA Method 9 (*)
EPA Method 10 (*)
Epidemiology (DENT)
Erosion (DENT)
NT Beach erosion (DT)
Piping(Erosion) (T)
Soil erosion (DNT)
Stream erosion (T)
Water erosion (T)
Wind erosion (NT)
Erosion control (T)
RT Erosion (DENT)
Soil conservation (T)
Soil erosion (DNT)
Stream erosion (T)
Estuaries (DENT)
BT Coastal topographic features (T)
Eutrophication (DEN)
RT Ecology (DENT)
Ecosystems (DEN)
Limnology (DENT)
Trophic level (*)
Water pollution (DENT)
Evaporation control (T)
RT Air pollution control (*)
Automotive fuels (DET)
Fuel storage (T)
Exhaust emissions (T)
RT Air pollution (DENT)
Potential emissions (*)
NOTE: This term is used by NTIS to designate combustion products emitted to the air from moving sources.
Exhaust gases (DENT)
NT Aircraft exhaust (D)
Automobile exhaust (D)
Diesel engine exhaust (*)
Jet engine exhaust (D)
Jet exhaust (N)
Rocket exhaust (DNT)
RT Air pollution (DENT)
NOTE: This term is used by NTIS to designate combustion gases from moving sources; i.e. automobiles, aircraft, etc.
Exhaust noise (*)
BT Noise (Sound) (N)
Noise(Sound) (DT)
Sound levels (*)
Exhaust recirculation systems (E)
UF EGR systems (E)
RT Air pollution control equipment (DT)
Automobile exhaust (D)
Automobiles (ENT)
Exhaust gases (DENT)
Exhaust systems (DNT)
RT Afterburners (DNT)
Air pollution control equipment (DT)
Catalytic converters (T)
Catalytic reactors(Exhaust systems) (*)
Thermal reactors(Exhaust systems) (*)
Expenses (T)
RT Costs (DNT)
Fines(Charges) (*)
Taxes (DET)
Exposure (NT)
NT Maximum permissible exposure (*)
Noise exposure (*)
RT Dosage (DNT)
Dose rate (DT)
Dose rates (N)
Industrial medicine (DET)
Lethal dosage (DT)
Lethal doses (N)
Occupational health and safety (*)
Radiation tolerance (DNT)
Eye irritants (*)
Fabric filters (*)
BT Filters (DENT)
RT Air pollution control (*)
Fallout (DNT)

UF Radioactive fallout
RT Air pollution (DENT)
Radioactive contaminants (NT)
Radiation effects (DENT)
Radiation hazards (DENT)

Farm management (T)

Farm processing (T)
DEF Production and harvesting of food products and other farming operations.

Farmlands (N)
BT Lands (*)

Farms (T)
RT Agricultural wastes (ET)
Barnlot wastes (*)
Feedlot wastes (*)
Hog houses (T)
Manure (*)
Organic wastes (*)
Runoff (DT)

Federal Aid Highway Act (*)
BT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)
Legislation (DET)
RT Noise pollution (DN)
Transportation noise (*)
NOTE: Enacted in 1973

Federal Environmental Pesticide Control Act (*)
UF Fepca
BT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)
Legislation (DET)
RT Pesticides (DENT)

Federal Insecticide, Fungicide, and Rodenticide Act (*)
BT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)
Legislation (DET)
RT Fungicides (DENT)
Pesticides (DENT)
NOTE: Enacted in 1972

Federal Water Pollution Control Act Amendments of 1972 (*)
UF Public Law 92-500
BT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)
Legislation (DET)
RT Best technology (*)
Water pollution (DENT)

Federal Water Pollution Control Act (E)
BT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)
Legislation (DET)

Federal agencies (*)
RT Bureau of Land Management (*)
Environmental Protection Agency (*)
Government agencies (*)
Pollution control agencies (E)

Federal driving cycle - USE:
Federal test procedure (E)

Federal test procedure (E)
UF Federal driving cycle (E)
RT Air pollution control (*)
Automobile exhaust (D)
Exhaust gases (DENT)
Fuel economy (ET)

Feed and grain industry (*)
BT Industries (DNT)

Feeding habits (T)
BT Habits (DNT)
RT Animal behavior (T)

Feeding stuffs (T)
RT Animal feeds (E)
High protein supplements (*)
Single cell protein (E)
Synthetic foods (*)

Feedlot wastes (*)
RT Agricultural wastes (ET)
Animal wastes (*)
Barnlot wastes (*)
Manure (*)

Feedlots (*)

Feedwater (ET)
BT Industrial water (T)
Water (DENT)
NT Boiler feedwater (*)

Feedwater treatment (T)
BT Water treatment (DENT)
RT Deaeration (DT)
Demineralizing (NT)
Desalting (T)
Ion exchanging (NT)
pH control (T)
Water softening (T)

FEPCA - USE:
Federal Environmental Pesticide Control Act (*)

Fertilization (N)

Fertilizer industry (*)
BT Industries (DNT)
NT Phosphate fertilizer industry (*)
RT Chemical industry (DET)

Fertilizers (DENT)

Fertilizing (T)

Fiberglass industry (*)
BT Industries (DNT)

Field tests (DT)

Filtration (DENT)
BT Separation (DNT)
NT Centrifugal filtration (T)
Cross flow filtration (*)
Pressure filtration (T)
Sand filtration (T)

Sewage filtration (T)
Trickling filtration (T)
Vacuum filtration (T)
RT Fabric filters (*)
Finance (DNT)
Financial incentives (E)
RT Economics (DENT)
Financing (T)
Taxes (DET)
Financing (T)
RT Financial incentives (E)
Fines (DNT)
BT Powder(Particles) (T)
Particles (DENT)
Particulates (D)
NT Superfines (T)
Ultrafines (T)
RT Air pollution (DENT)
Fines(Charges) (*)
RT Costs (DN)
Law enforcement (DT)
Penalties (DNT)
Fish farming - USE:
Aquaculture (ET)
Fisheries (DT)
Fishery Conservation and Management Act of 1976 (*)
BT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)
Legislation (DET)
RT Coastal Zone Management (*)
Fishes (DENT)
BT Aquatic animals (DT)
NT Fresh water fishes (T)
Marine fishes (T)
RT Seafood (DET)
Water pollution effects(Animals) (*)
Fishing industry (E)
BT Industries (DNT)
Fishkill (*)
Flame chamber process (E)
BT Waste processing (E)
DEF High temperature waste combustion process in which waste is fed into a ring column created between two concentric cylinders causing combustion steps to be above each other rather than following each other.
Flocculants (T)
RT Coagulants (T)
Dispersants (DT)
Flocculating (NT)
RT Coagulation (DNT)
Emulsification (ET)
Flood control (DET)
Flood forecasting (T)
RT Flood predictions (N)
Flood plain zoning (T)
BT Zoning (T)
RT Land use zoning (T)
River basin development (T)
Flood plains (DNT)
Flood predictions (N)
RT Flood forecasting (T)
Flood routing (T)
Floods (DENT)
Flotation (DENT)
BT Separation (DNT)
NT Froth flotation (*)
Microflotation (*)
RT Bubble separation (*)
Flocculating (NT)
Foam fractionation (*)
Flour mills (T)
BT Industrial plants (DENT)
RT Food processing (DT)
Flow rate (DET)
NT Sewage flow rate (*)
Flue gas (E)
Flue gases (DT)
UF Stack gases (T)
RT Air pollution (DENT)
Waste gases (D)
DEF Waste gases that are formed by an industrial process and not yet released to the atmosphere.
Fluid infiltration (T)
NT Salt water intrusion (T)
RT Ground water (DENT)
Hydrology (DENT)
Water influx (T)
Fluidized bed (E)
RT Packed bed (E)
Fluidized bed combustion (*)
BT Combustion (DENT)
RT Coal combustion (*)
Fluidized bed processes (D)
NT CAFB process (E)
Chemically active fluidized bed process (*)
RT Westvaco process (*)
Fluidized bed processing (T)
Fluidized bed processors (DNT)
Fluidized bed reactors (E)
Fluidized bed refuse gasification (E)
BT Waste processing (E)
RT Refuse derived fuels (E)
Solid wastes (DE)
DEF Partial oxidation pyrolysis using air and air/stream for gasification and catalysts to increase thermal efficiency. May be used for coal or oil shale gasification. Produces fuel gas.
Fluidized processing (*)
Fluidized-bed combustion (E)
Fluoride poisoning (T)
BT Toxic diseases (NT)
RT Toxicology (DNT)

Flux force/condensation scrubbers (*)
BT Air pollution control equipment (DT)
Scrubbers (DENT)
Fly ash (DET)
Food analysis (DT)
RT Chemical analysis (DENT)
Food chain (D)
Food chains (ET)
RT Biological productivity (T)
Ecology (DENT)
Ecosystems (DEN)
Primary biological productivity (T)
Feeding habits (T)
Food industry (T)
BT Industries (DNT)
NT Brewing industry (*)
Food processing industries (*)
RT Food processing (DT)
Food processing (DT)
NT Beet processing (*)
Canning (DENT)
Citrus fruit processing (*)
Fruit processing (*)
Grain processing (*)
Olive processing (*)
Potato processing (*)
Poultry processing (*)
Rice processing (*)
Seafood processing (*)
Sugar beet processing (*)
RT Canneries (T)
Dairy products (DT)
Flour mills (T)
Livestock (DENT)
Rendering plants (*)
Slaughtering house wastes (*)
Whey (*)
Food processing industries (*)
BT Industries (DNT)
NT Brewing industry (*)
Dairy industry (*)
Feed and grain industry (*)
Fishing industry (E)
Meat packing industry (*)
Potato industry (*)
Poultry processing industry (*)
Rendering industry (*)
Forecasting (DENT)
NT Economic forecasting (T)
Flood forecasting (T)
Noise exposure forecasts (*)
Predictions (DNT)
Weather forecasting (DNT)
RT Mathematical prediction (DT)
Trends (DNT)
Forest fires (DNT)
BT Fires (DENT)
Forest land (T)
BT Land (NT)
Forest management (N)
BT Management (DENT)
Resources management (N)
RT Land use (DENT)
Timber inventory (N)
Forestry (DT)
RT Afforestation (T)
Clearcutting (*)
Lumbering (T)
Reforestation (DT)
Forests (DN)
RT Resources (DENT)
Natural resources (DT)
Fossil fuels (DENT)
BT Fuels (DENT)
NT Anthracite (ET)
Attic oil (T)
Bituminous coal (ET)
Black coal (E)
Brown coal (E)
Cannel coal (ET)
Cellar oil (T)
Charcoal (DENT)
Coal (DENT)
Coal tar oils (E)
Crude oil (DENT)
Fuel oil (DT)
Fuel oils (EN)
Gasoline (DENT)
Kerosene (DENT)
Lignite (ET)
Liquefied natural gas (DENT)
Mixed base crudes (T)
Naphthalene base crudes (T)
Natural gas (DENT)
Paraffin base crudes (T)
Peat (ET)
Petroleum (E)
Petroleum coke (T)
Semibituminous coal (T)
Shale oil (ENT)
Sour crudes (ET)
Subbituminous coal (T)
Sweet crudes (T)
Torbanite (E)
Foundries (DET)
RT Industrial plants (DENT)
Metal industry (T)
Frequency analyzers (DNT)
RT Acoustic detectors (DT)
Frequency meters (DT)
RT Acoustic detectors (DT)
Fresh water biology (T)
BT Aquatic biology (T)
RT Marine biology (DNT)
Water pollution effects(Animals) (*)
Water pollution effects(Plants) (*)

Fresh water fishes (T)
BT Aquatic fishes (*)
Fishes (DENT)
Froth flotation (T)
BT Flotation (DENT)
Fruit processing (*)
BT Food processing (DT)
NT Citrus fruit processing (*)
Fuel additives (DT)
NT Antiknock additives (NT)
Fuel combustion (N)
BT Combustion (DENT)
NT Coal combustion (*)
RT Fluidized bed combustion (*)
Fluidized-bed combustion (E)
Fuel consumption (DENT)
BT Consumption (DNT)
Energy consumption (DEN)
RT Consumption rate (T)
Consumption rates (E)
Electric power consumption (*)
Electric power demand (T)
Energy demand (E)
Energy requirements (N)
Energy use (*)
Fuel demand (*)
BT Energy demand (E)
RT Electric power consumption (*)
Electric power demand (T)
Energy consumption (DEN)
Fuel consumption (DENT)
Fuel economy (T)
RT Fuel consumption (DENT)
Fuel management (E)
BT Energy management (D)
RT Energy policy (EN)
Fuel substitution (*)
Resource allocation (N)
Fuel oil (DT)
BT Oils (DENT)
Petroleum products (DET)
NT Bunker oils (T)
Residual oils (T)
Fuel oils (EN)
RT Shale oil (ENT)
Fuel shortages (D)
BT Shortages (DT)
Fuel storage (T)
NT Coal storage (T)
Gas storage (T)
Oil storage (T)
POL storage (DT)
RT Energy storage (DENT)
Fuel substitutes (*)
RT Refuse (ET)
Solid wastes (DE)
Fuel substitution (*)
RT Energy management (D)
Energy policy (EN)
Fuel management (E)
Interfuel competition (*)
Resource allocation (N)
Fuel-air ratio (E)
RT Air fuel ratio (*)
Combustion (DENT)
Fuels (DENT)
NT Aerozine (N)
Aircraft fuels (NT)
Alloy nuclear fuels (ET)
Anthracite (ET)
Attic oil (T)
Automobile fuels (N)
Automotive fuels (DET)
Aviation fuels (DET)
Aviation gasoline (DT)
Bituminous coal (ET)
Black coal (E)
Blast furnace gas (T)
Boiler fuel (E)
Brown coal (E)
Bunker oils (T)
Cannel coal (ET)
Carburetted water gas (E)
Cellar oil (T)
Charcoal (DENT)
Chemical fuels (N)
Coal (DENT)
Coal gas (DET)
Coal liquids (E)
Coal tar oils (E)
Coke (EN)
Coke oven gas (E)
Crude oil (DENT)
Diesel fuels (ENT)
Dispersion nuclear fuels (E)
Fossil fuels (DENT)
Fuel cell fuels (T)
Fuel gas (E)
Fuel oil (DT)
Fuel oils (EN)
Fuel slurries (E)
Gas fuels (EN)
Gas oils (E)
Gasoline (DENT)
Heating fuels (T)
Heavy oils (ET)
High btu gas (E)
High energy fuels (N)
High sulfur coal (*)
High sulfur fuels (*)
Hydrocarbon fuels (N)
Hydrogen (DENT)
Hydrogen fuels (EN)
Intermediate btu gas (E)
Jet engine fuels (DENT)
Kerosene (DENT)

Lignite (ET)
Liquid metal fuels (E)
Liquefied natural gas (DENT)
Liquefied petroleum gases (T)
Liquid fuels (ET)
Low btu gas (E)
Low sulfur coal (*)
Low sulfur fuels (*)
Manufactured gas (T)
Metal fuels (N)
Metallurgical fuels (T)
Methane (DENT)
Methanol (E)
Methyl alcohol (T)
Methyl alcohols (N)
Mixed base crudes (T)
Molten salt fuels (ET)
Motor fuels (T)
Naphthalene base crudes (T)
Natural gas (DENT)
Natural gas liquids (ET)
Natural uranium fuels (T)
Nuclear fuels (ENT)
Oils (DNT)
Paraffin base crudes (T)
Peat (ET)
Petroleum (ET)
Producer gas (E)
Pulverized fuels (T)
Reactor fuels (DT)
Residual oils (T)
Semibituminous coal (T)
Semicoke (E)
Shale oil (ENT)
Shale tar oil (E)
Slurried jet engine fuels (T)
Slurry fuels (D)
Solid fuels (E)
Solid jet engine fuels (DT)
Solvent-refined coal (E)
Sour crudes (T)
Sour gas (T)
Subbituminous coal (ET)
Sweet crudes (T)
Sweet gas (T)
Synthane (N)
Synthesis gas (E)
Synthetic fuels (EN)
Synthetic petroleum (E)
Thermonuclear fuels (E)
Torbanite (E)
Town gas (E)
Unleaded gasoline (E)
Water gas (E)
Wood (DENT)

Fungicides (DENT)
BT Pesticides (DENT)
RT Federal Insecticide, Fungicide, and Rodenticide Act (*)
NOTE: For chemical and tradenames, see the Pesticides heading in the chemical index at the back of this microthesaurus.

Furnaces (DENT)
BT Heaters (DEN)
Heating equipment (NT)
NT Arc furnaces (E)
Air furnaces (T)
Blast furnaces (ET)
Chamber furnaces (E)
Continuous furnaces (T)
Crucible furnaces (T)
Electric arc furnaces (T)
Electric furnaces (ET)
Electric resistance furnaces (T)
Electron beam furnaces (E)
Furnace cupolas (T)
Gas furnaces (T)
Heat treating furnaces (T)
Induction furnaces (ET)
Kilns (T)
Melting furnaces (T)
Metallurgical furnaces (T)
Muffle furnaces (T)
Openhearth furnaces (T)
Pot furnaces (T)
Retort furnaces (T)
Reverberatory furnaces (T)
Sintering furnaces (T)
Skull furnaces (T)
Solar furnaces (DENT)
Vacuum furnaces (ENT)
RT Boilers (DENT)
Gas burners (T)
Oil burners (T)
Ovens (NT)

Garbage (DNT)
RT Solid wastes (DE)

Garbage disposal (DT)
BT Solid waste disposal (*)
RT Refuse disposal (T)

Gas analysis (DENT)
BT Chemical analysis (DENT)
RT Air pollution detection (*)

Gas burners (T)
BT Burners (DET)
RT Oil burners (DT)

Gas chromatography (DENT)
RT Chemical analysis (DENT)
Chromatographic analysis (DT)

Gas detection (*)

Gas detectors (DNT)
BT Detectors (DNT)
NOTE: NTIS does not use this term when particulates are being detected.

Gas industry (T)

Gas pipelines (E)

NT Arctic gas pipelines (E)
RT Alaska pipeline (E)
Trans Alaska pipeline (*)
Gas sampling (T)
BT Sampling (DENT)
RT Air pollution sampling (*)
High volume samplers (*)
Samplers (DENT)
Gas scrubbing (T)
BT Scrubbing (NT)
RT Air pollution control (*)
Pollution control (N)
Gas spills (E)
RT Land pollution (E)
Liquefied natural gas (DENT)
Natural gas (DENT)
Water pollution (DENT)
Gaseous wastes (E)
BT Wastes(Industrial) (D)
Wastes (DENT)
RT Air pollution (DENT)
Combustion products (DENT)
Exhaust gases (DENT)
Gasoline service stations - USE:
Service stations (*)
Gaussian plume models (*)
RT Air pollution (DENT)
Atmospheric diffusion (NT)
Atmospheric motion (DT)
Genetic radiation effects (E)
BT Biological radiation effects (E)
Radiation effects (DENT)
Glass (DENT)
RT Solid wastes (DE)
Glass industry (T)
BT Industries (DNT)
Glass recycling (*)
BT Waste recycling (*)
Global air pollution (N)
BT Air pollution (DENT)
Global air sampling program (N)
RT Air pollution sampling (*)
Air sampling (N)
Global analysis (E)
Global risk - USE:
Global analysis (E)
Government agencies (*)
RT Air poliution control agencies (*)
Bureau of Land Management (*)
Bureaus (Organizations) (N)
Environmental Protection Agency (*)
Federal agencies (*)
Pollution control agencies (E)
Government policies (ET)
BT Policies (DNT)
RT County government (*)
Local government (T)
National government (T)
State government (DT)
Water allocation(Policy) (*)
Water pricing policies (*)
Grain elevators (T)
Grain milling (*)
Grain processing (*)
BT Food processing (DT)
Grants (DNT)
Grassland (T)
BT Land (NT)
RT Grazing land (T)
Plains (NT)
Savannas (T)
Grasslands (DN)
BT Land (NT)
Grazing (DN)
Grazing land (T)
BT Land (NT)
Grazing lands (N)
Greenbelt irrigation (*)
BT Irrigation (ENT)
RT Sewage irrigation (*)
Grey iron industry (*)
BT Iron and steel industry (T)
Metal industry (T)
Grinding (Comminution) (N)
BT Comminution (DENT)
Grinding(Comminution) (T)
Ground water (DENT)
BT Water (DENT)
NT Artesian water (T)
Connate water (ET)
Perched water (T)
RT Aquifers (DENT)
Artesian wells (T)
Fluid infiltration (T)
Hydrogeology (NT)
Hydrology (DENT)
Percolation (DNT)
Selective withdrawal (*)
Soil water (T)
Springs(Water) (T)
Water resources (DENT)
Water table (DT)
Water tables (N)
Ground water recharge (T)
UF Recharge
RT Aquifers (DENT)
Irrigation (ENT)
Natural recharge (*)
Percolation (DNT)
Recharge wells (T)
Water conservation (DT)
Water influx (T)
Sewage irrigation (*)
Groundwater movement (*)
RT Hydrology (DENT)
Growth (ENT)

Habitat (E)
Habitats (N)
Harbors (DENT)
BT Waterways(Transportation) (*)
Harvesting (ET)
RT Algae (DENT)
Biomass (ET)
Crops (EN)
Farm crops (DT)
Wood (DENT)
Hauling (NT)
RT Bulk handling (T)
Cargo transportation (T)
Collecting methods (DT)
Conveying (T)
Mine haulage (T)
Hazardous materials (T)
RT Biological agents (DT)
Chemical warfare agents (D)
Chemical spills (*)
Corrosive gases (DT)
Corrosive liquids (DT)
Explosives (DENT)
Flammable gases (NT)
Flammable liquids (T)
Industrial wastes (ENT)
Pesticides (DENT)
Hazardous materials spills (*)
RT Oil spills (DE)
Water pollution (D)
Hazardous materials transportation (D)
BT Transportation (DNT)
Hazards (DENT)
NT Radiation hazards (DENT)
Toxic hazards (DN)
Haze (DNT)
RT Aerosols (DENT)
Opacity (DENT)
Sky brightness (DNT)
Smog (DENT)
Health physics (DNT)
NOTE: NTIS uses this term only when discussing radiobiology.
Hearing (DN)
BT Perception (NT)
Senses (T)
NT Binaural hearing (NT)
RT Acoustic perception (*)
Auditory perception (DNT)
Loudness discrimination (T)
Pitch discrimination (DT)
Heat recovery (DET)
RT Energy conservation (DEN)
Thermal efficiency (ET)
Thermal effluents (E)
Thermal pollution (DEN)
Waste energy utilization (N)
Waste heat (E)
Waste heat boilers (T)
Waste heat utilization (*)
Heated effluents - USE:
Thermal effluents (E)
Heating fuels (T)
BT Fuels (DENT)
NT Coal (DENT)
Fuel oil (DT)
Fuel oils (EN)
Kerosene (DENT)
Metallurgical fuels (T)
Natural gas (DENT)
Heavy duty vehicles (*)
BT Motor vehicles (T)
RT Trucks (DENT)
Heavy metals (D)
BT Metals (DENT)
NOTE: See Chemical Index .
Herbicides (DET)
BT Pesticides (DENT)
NT Amiben (*)
D 2-4 herbicide (*)
Diaquate (*)
Fluometuron (*)
T 2-4-5 herbicide (*)
RT Hazardous materials (T)
NOTE: For chemicals and tradenames, see the Pesticides heading in the chemical index at the back of this microthesaurus
High protein supplements (*)
RT Animal feeds (E)
Feeding stuffs (T)
Single cell protein (E)
High sulfur coal (*)
High sulfur fuels (*)
RT High sulfur coal (*)
Low sulfur coal (*)
Low sulfur fuels (*)
Sour crudes (ET)
Highway noise (*)
BT Noise (Sound) (N)
Noise(Sound) (DT)
Highway planning (T)
BT Planning (DENT)
Highway transportation (T)
BT Transportation (DNT)
Highways (DENT)
RT Roads (DENT)
Hiway computer program
RT Air pollution (DENT)
Atmospheric diffusion (NT)
Automobile exhaust (D)
Exhaust gases (DENT)
Mathematical models (DENT)
Hiway model (*)
BT Mathematical models (DENT)
RT Air pollution (DENT)
Hog houses (T)

RT Farms (T)
Home range (E)
RT Animal ecology (T)
Animals (DE)
Wild animals (E)
DEF The area to which the activities of an animal are confined.
Hospital solid wastes (*)
BT Solid wastes (DE)
Hospitals (DENT)
BT Buildings (DENT)
Household refuse grinders (*)
RT Refuse (ET)
Refuse disposal (T)
Household wastes (*)
RT Garbage (DNT)
Septic tanks (DT)
RT Solid wastes (DE)
Water pollution (DET)
Houses (ET)
BT Buildings (DENT)
Residential buildings (T)
RT Mobile homes (E)
Residential sector (*)
Housing (*)
RT Residential buildings (T)
Housing(Dwellings) (D)
Human ecology (T)
BT Ecology (DENT)
Human tolerances (N)
BT Tolerances (Physiology) (N)
Tolerances(Physiology) (DT)
Human wastes (N)
NT Urine (DENT)
Feces (DENT)
RT Manure (*)
Hybrid electric-powered vehicles (E)
RT Electric batteries (DENT)
Electric-powered vehicles (E)
Electric vehicles (T)
Hybrid vehicular propulsion (*)
RT Motor vehicles (T)
Hydraulic models (DT)
Hydrocarbon poisoning (N)
BT Toxic diseases (NT)
RT Toxicology (DNT)
Hydrogen fuels (EN)
BT Fuels (DENT)
RT Fuel cells (DENT)
Hydrogen sulfide (DNT)
Hydrogen sulfides (E)
Hydrogen-based economy (E)
Hydrogen-based energy (N)
Hydrogeology (NT)
BT Hydrology (DENT)
RT Aquifers (DENT)
Earth hydrosphere (NT)
Ground water (DENT)
Hydrologic cycle (T)
RT Evaporation (ENT)
Hydrology (DENT)
Precipitation (Meteorology) (N)
Precipitation(Meteorology) (T)
Surface water (N)
Surface waters (DET)
Transpiration (DENT)
Hydrology (DENT)
NT Hydrogeology (NT)
Urban hydrology (*)
RT Drainage (DNT)
Droughts (T)
Earth hydrosphere (ENT)
Evapotranspiration (DNT)
Flood control (DET)
Fluid infiltration (T)
Ground water (DENT)
Groundwater movement (*)
Hydraulics (ENT)
Hydrologic cycle (T)
Limnology (DENT)
Runoff (DT)
Salt water intrusion (T)
Storm water (*)
Storm water runoff (*)
Stream flow (T)
Surface water (N)
Surface waters (DET)
Watersheds (DENT)
Hygiene (DNT)
NT Industrial hygiene (DT)
RT Public health (DENT)
Ignition (DENT)
RT Combustion
Ignition systems (DENT)
Ignition systems (DENT)
RT Automobile engines (NT)
Ignition (DENT)
IGT waste process - USE:
Biogas process (E)
Impactors (NT)
NT Cascade impactors (E)
Impingement (DENT)
RT Dams (DENT)
Entrainment (DENT)
Intake structures (E)
Implementation Air Pollution Planning Program (*)
Implementation air pollution planning (*)
In plant processes (*)
DEF NTIS uses this very general term to express the concept of operations occurring solely within an industrial plant. There is usually an option of carrying out an operation outside the plant when this term is used.
Incineration (*)
RT Combustion (DENT)

Solid waste disposal (*)
Incinerators (DENT)
RT Combustion (DENT)
Pyrolysis incineration (*)
Solid waste disposal (*)
RT Refuse disposal (T)
Waste disposal (DENT)
Indicator species (T)
RT Bioindicators (*)
Biological indicators (E)
Indoor air pollution (D)
BT Air pollution (DENT)
Industrial accidents (ET)
Industrial areas (N)
Industrial atmospheres (T)
RT Air pollution (DENT)
Indoor air pollution (D)
Industrial medicine (DT)
Occupational health and safety (*)
Industrial buildings (T)
BT Buildings (DENT)
Industrial development (*)
RT Economic development (ENT)
Land development (T)
Industrial hygiene (DT)
BT Hygiene (DNT)
RT Industrial medicine (DET)
Industrial safety (N)
Occupational health and safety (*)
Preventive medicine (DET)
Industrial medicine (DET)
RT Air pollution effects(Humans) (*)
Ear protectors (DNT)
Environmental health (*)
Industrial hygiene (DT)
Loudness (DNT)
Maximum permissible exposure (*)
Noise exposure (*)
Noise levels (*)
Occupational diseases (DET)
Occupational health and safety (*)
Preventive medicine (DET)
Public health (DENT)
Ultrasonic injuries (T)
Water pollution effects(Humans) (*)
Industrial plants (DENT)
NT Asphalt plants (T)
Canneries (T)
Chemical plants (T)
Chloralkali plants (*)
Coal gasification plants (E)
Coal liquefaction plants (E)
Concrete plants (T)
Distilleries (T)
Flour mills (T)
Foundries (DET)
Natural gas processing plants (E)
Nitric acid plants (*)
Oil shale processing plants (*)
Paper mills (T)
Phosphoric acid plants (*)
Refineries (DT)
Rendering plants (*)
Sewage treatment plants (*)
Sulfuric acid plants (*)
Waste processing plants (E)
Industrial safety (N)
RT Industrial hygiene (DT)
Occupational health and safety (*)
Industrial waste treatment (T)
BT Water pollution control (*)
NT Biological industrial waste treatment (*)
NOTE: NTIS uses this term only to express treatment of industrial wastes for water pollution control.
Industrial wastes (ENT)
NT Black liquors (T)
Spent liquors(Pulping) (T)
Industrial water (T)
RT Cooling water (T)
Industries (DNT)
NT Aerospace industry (NT)
Aircraft industry (NT)
Aluminum industry (T)
Asbestos industry (T)
Automotive industry (*)
Barium industry (*)
Boron industry (*)
Brewing industry (*)
Brick industry (T)
Building products industries (*)
Cement industry (*)
Chemical industry (DET)
Copper industry (T)
Dairy industry (*)
Drug industry (T)
Feed and grain industry (*)
Fertilizer industry (*)
Fiberglass industry (*)
Fishing industry (E)
Food industry (T)
Food processing industries (*)
Gas industry (T)
Glass industry (T)
Grey iron industry (*)
Iron and steel industry (T)
Iron industry (D)
Lead industry (*)
Leather industry (*)
Magnesium industry (T)
Meat packing industry (*)
Metal industry (T)
Mineral industry (E)
Mining industries (*)
Munitions industry (DT)
Natural gas industry (E)

Oil shale industry (E)
Organic chemicals industry (*)
Paint industry (*)
Paper industry (DT)
Petrochemical industry (*)
Petroleum industry (DET)
Phosphate fertilizer industry (*)
Phosphate industry (*)
Plastics industry (DT)
Potato industry (*)
Poultry processing industry (*)
Rendering industry (*)
Rubber industry (T)
Secondary materials industry (*)
Selenium industry (*)
Steel industry (D)
Sugar industry (*)
Textile industry (DT)
Wood processing industry (*)
Zinc industry (T)
RT Food processing (DT)
Lumbering (T)
Refineries (DT)
Petroleum refining (T)

Industry (E)

Information management (N)

Information retrieval (DENT)
RT Data retrieval (NT)

Information systems (DENT)

Infrared detection (DT)
RT Air pollution detection (*)
Infrared lasers (DNT)
Laser spectroscopy (*)
Long path infrared spectroscopy (*)
Remote sensing (ET)
Water pollution detection (*)

Infrared detectors (DNT)

Infrared spectrophotometers (DNT)

Infrared spectroscopy (DNT)
NT Long path infrared spectroscopy (*)
Nondispersive infrared spectroscopy (*)
RT Chemical analysis (DENT)
Laser spectroscopy (*)
Spectroscopic analysis (NT)

Inhalation (DE)
RT Respiration (DENT)
Respiratory diseases (DNT)

Injection (DENT)
NT Limestone injection (*)
RT Air pollution control (*)

Injection wells (ET)
RT Liquid waste disposal (*)
Ultimate disposal (*)
Waste disposal (DENT)

Insect control (DT)
NT Biological insect control (D)

Insecticides (DENT)
BT Pesticides (DENT)
NT Aldrin (E)
Chlordan (T)
Chlordane (D)
DDE pesticide (*)
DDT (DET)
Diazinon (T)
Dichlorodiphenyltrichloroethane (N)
Dieldrin (DENT)
Endrin (NT)
Heptachlor (T)
Lindane (E)
Parathion (E)
Toxaphene (*)
RT Hazardous materials (T)
NOTE: For chemicals and tradenames, see the Pesticides heading in the chemical index at the back of this microthesaurus.

Inspection (DENT)
NT Motor vehicle inspection (*)

Insurance (DE)
RT Fines(Charges) (*)
Legal liability (N)
Liabilities (ENT)
Penalties (DNT)

Intake structures (E)

Interceptor sewers (*)
BT Sewers (T)

Interfuel competition (*)
BT Competition (T)
Energy management (D)
Fuel management (E)
Fuel substitution (*)
Resource allocation (N)

Internal combustion engine noise (DT)
BT Noise (Sound) (N)
Noise(Sound) (DT)

International law (DNT)
BT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Law of the Sea (*)
Laws (EN)
RT Boundary Waters Treaty Between Canada and the United States(1901) (*)
Water Utilization Treaty of 1944 between Mexico and the United States (*)

International laws (E)

International regulations (E)
BT Regulations (DENT)
RT International agreements (E)
International law (DNT)
International laws (E)

International relations (DNT)

International waters (*)
RT Law of the Sea (*)

Inventories (ENT)

Ion exchanging (NT)
NT Anion exchanging (T)
Cation exchanging (T)

RT Demineralization (DET)
Water softening (T)
Ion selective electrode analysis (E)
Ion selective electrodes (DN)
BT Electrodes (DENT)
RT Chemical analysis (DENT)
Potentiometric analysis (DNT)
Ionizing radiation (DNT)
RT Irradiation (DENT)
Sterilization (DENT)
Iron and steel industry (T)
BT Metal industry (ET)
NT Grey iron industry (*)
Iron bacteria (*)
BT Bacteria (DENT)
Iron industry - USE:
Iron and steel industry (T)
Irradiation (DENT)
RT Disinfection (DT)
Ionizing radiation (DNT)
Ionizing radiations (E)
Sterilization (DENT)
Irrigated land (T)
BT Arable land (T)
Land (NT)
Irrigation (ENT)
NT Greenbelt irrigation (*)
Sewage irrigation (*)
Sprinkler irrigation (T)
Subsurface irrigation (T)
Surface irrigation (T)
RT Arable land (T)
Cultivation (NT)
Farm crops (DNT)
Ground water recharge (T)
Land reclamation (ET)
Liquid waste disposal (*)
Seepage (DNT)
Sludge disposal (T)
Waste water (DET)
Water distribution (DT)
Irrigation systems (D)
NT Spray irrigation systems (*)
Irrigation water (*)
BT Water (DENT)
Jet aircraft noise (NT)
BT Noise (Sound) (N)
Noise(Sound) (DT)
Jet engine exhaust (D)
RT Aircraft exhaust (D)
Exhaust emissions (T)
Exhaust gases (DENT)
Jet engine noise (DT)
BT Engine noise (DNT)
Jet exhaust (N)
BT Exhaust gases (DENT)
Jet plane noise (*)
BT Noise (Sound) (N)
Noise(Sound) (DT)
Junk car disposal (*)
BT Solid waste disposal (*)
RT Metal recycling (*)
Metal scrap (T)
Metal scraps (D)
Scrap (NT)
Secondary materials industry (*)
Waste recycling (*)
Junkyards (*)
RT Solid waste disposal (*)
Kraft paper (T)
BT Paper (E)
Papers (NT)
RT Bag papers (T)
Labeled substances (DT)
RT Oil tagging (*)
Lagoons (N)
Lagoons(Ponds) (T)
NT Aeration ponds (*)
Anaerobic lagoons (*)
RT Settling basins (T)
Lakes (DENT)
BT Topographic features (T)
NT Strip mine lakes (*)
Land (NT)
NT Arable land (T)
Arid land (DT)
Arid lands (N)
Barren land (N)
Deserts (DENT)
Farmlands (N)
Forest land (T)
Forests (DEN)
Grassland (T)
Grasslands (DN)
Grazing land (T)
Irrigated land (T)
Marshes (E)
Marshlands (N)
National parks (T)
Parks (NT)
Public land (ET)
Rangelands (N)
Savannas (T)
Semiarid land (T)
Swamps (DENT)
Wetlands (N)
RT Jungles (DT)
Land management (N)
Pasture (T)
Real property (T)
Land development (T)
RT Community development (T)
Economic development (ENT)
Land reclamation (ET)
River basin development (T)
Soil conservation (T)

Urban development (NT)
Urban planning (DNT)
Urbanization (T)

Land disposal (*)
RT Earth fills (DT)
Irrigation (ENT)
Sewage disposal (DET)
Sewage irrigation (*)
Sludge disposal (T)
Solid waste disposal (*)
Waste disposal (DENT)

Land management (N)
BT Management (DENT)
RT Environment management (DN)
Regional planning (NT)
Resources management (N)
Rural land use (N)
Urban planning (DNT)
Wilderness (DN)

Land pollution (E)
BT Pollution (DENT)

Land pollution abatement (E)
RT Land pollution (E)
Land reclamation (E)
Pollution abatement (D)

Land reclamation (ET)
RT Backfilling (E)
Land development (T)
Mines (Excavations) (N)
Mines(Excavations) (T)
Reforestation (DT)
Revegetation (E)

Land restoration (*)

Land use (DENT)
NT Rural land use (N)
RT Airport planning (N)
Barren land (N)
Earth resources (N)
Economic development (ENT)
Farmlands (N)
Forest management (N)
Grasslands (DN)
Industrial areas (N)
Residential areas (N)
Suburban areas (N)
Urban development (NT)
Urban planning (DNT)
Urbanization (T)

Land use planning (*)
BT Planning (DENT)

Land use zoning (T)
BT Zoning (T)
RT Land use (DENT)
Urban development (NT)

Landscaping (T)

Laser injuries (*)

Laser radar - USE:
Optical radar (DNT)

Laser spectroscopy (*)
RT Chemical analysis (DENT)
Laser induced fluorescence (D)

Laser velocimeters (D)

Law enforcement (DT)
BT Enforcement (E)
RT Compliance (E)
Fines(Charges) (*)
Legal aspects (E)
Legal liability (N)
Liabilities (ENT)
Penalties (T)
Pollution regulations (E)
Regulations (DENT)

Law of the Sea (*)
BT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)

Law (Jurisprudence) (N)

Law(Jurisprudence) (DT)
NT Commercial law (T)
Criminal law (T)
International law (DNT)
International laws (E)
Law of the Sea (*)
Ordinances (T)
Pollution laws (E)
Public law (T)
Radiation protection laws (E)
Statutes (T)
Water law (T)
RT Airport and Airway Development Act of 1970 (*)
Boundary Waters Treaty Between Canada and the United States(1901) (*)
Clean Air Act (E)
Coastal Zone Management Act of 1972 (*)
Compliance (E)
Energy Policy and Conservation Act (*)
Federal Air Highway Act (*)
Federal Environmental Pesticide Control Act (*)
Federal Insecticide, Fungicide, and Rodenticide Act (*)
Federal Water Pollution Control Act (E)
Federal Water Pollution Control Act Amendments of 1972 (*)
Fishery Conservation and Management Act of 1976 (*)
Legislation (DET)
Licenses (ET)
Litigation (DT)
Marine Protection Research and Sanctuaries Act (*)
National Environmental Policy Act (E)
Noise Control Act of 1972 (*)
Noise Pollution and Abatement Act of 1970 (*)
Radiation Control for Health and Safety Act of 1968 (*)
Regulations (DENT)
River and Harbor Act of 1899 (*)
Safe Drinking Water Act of 1974 (*)

Solid Waste Disposal Act (*)
Toxic Substances Control Act (*)
Water Utilization Treaty of 1944 Between Mexico and the United States (*)
Water rights (ET)
Wilderness Act (*)

Laws (EN)

Leaching (DENT)
RT Beneficiation (NT)
Dissolving (DNT)
Extraction (DENT)
Irrigation (ENT)
Runoff (DT)
Surface water runoff (T)

Lead free gasoline - USE:
Unleaded gasoline (E)

Lead industry (*)
BT Industries (DNT)

Lead paint poisoning (*)
BT Toxic diseases (NT)
RT Lead poisoning (NT)
Toxicology (DNT)
Toxicity (DENT)

Lead poisoning (NT)
BT Toxic diseases (NT)
RT Toxicology (DNT)

Leather industry (*)
BT Industries (DNT)

Legal aspects (E)
RT Law enforcement (DT)
Legal liability (N)
Liabilities (ENT)
Penalties (DNT)

Legal liability (N)
RT Insurance (DE)
Legal aspects (E)
Law enforcement (DT)
Liabilities (ENT)
Penalties (DNT)

Legislation (DET)
NT Environmental legislation
RT Airport and Airway Development Act of 1970 (*)
Boundary Waters Treaty Between Canada and the United States(1901) (*)
Clean Air Act (E)
Coastal Zone Management Act of 1972 (*)
Energy Policy and Conservation Act (*)
Federal Air Highway Act (*)
Federal Environmental Pesticide Control Act (*)
Federal Insecticide, Fungicide, and Rodenticide Act (*)
Federal Water Pollution Control Act (E)
Federal Water Pollution Control Act Amendments of 1972 (*)
Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)
Licenses (ET)
Litigation (DT)
Marine Protection Research and Sanctuaries Act (*)
National Environmental Policy Act (E)
Noise Control Act of 1972 (*)
Noise Pollution and Abatement Act of 1970 (*)
Radiation Control for Health and Safety Act of 1968 (*)
Radiation protection laws (E)
Regulations (DENT)
River and Harbor Act of 1899 (*)
Safe Drinking Water Act (*)
Solid Waste Disposal Act (*)
Water Utilization Treaty of 1944 Between Mexico and the United States (*)
Wilderness Act (*)

Liabilities (ENT)
RT Law enforcement (DT)
Legal aspects (E)
Legal liability (N)
Penalties (DNT)

Licenses (ET)
RT Legislation (DET)
Regulations (DENT)

Lidar - USE:
Optical radar (DNT)

Life cycle (E)

Life cycles (DT)

Light duty vehicles (*)
BT Motor vehicles (T)
RT Trucks (DENT)

Light scattering (DENT)
RT Haze (DNT)
Transmissometers (DNT)

Lignin (DENT)
RT Cellulose (DET)
Wood pulp (DT)

Limestone (DENT)
Carbonate minerals (D)
Carbonate rocks (ET)
RT Calcium carbonates (ENT)
Dolomite (DE)
Dolomite (Mineral) (N)
Dolomite(Mineral) (T)
Dolomite(Rock) (T)
Limestone injection (*)
Limestone scrubbing (*)

Limestone injection (*)
BT Injection (DENT)
RT Air pollution control (*)
Furnaces (DENT)

Limestone scrubbing (*)
RT Air pollution control (*)
Alkaline scrubbing (*)
Dry methods (*)

Wet methods (*)
Scrubbers (DENT)

Limnology (DENT)
RT Ecology (DENT)
Ecosystems (DENT)
Eutrophication (DNT)
Fresh water biology (T)
Fresh water fishes (T)
Lakes (DENT)
Nutrients (DENT)
Ponds (DENT)
Rivers (DENT)
Sediment water interactions (*)
Sediments (DENT)
Self purification (*)
Water chemistry (DET)

Liquid chromatography (D)
RT Chemical analysis (DENT)
Chromatographic analysis (DT)

Liquid waste disposal (*)
RT Solid waste disposal (*)
NOTE: Used by NTIS to express the disposal of pure or concentrated liquids. Aqueous waste solutions are covered by water pollution terms.

Liquid wastes (DE)
RT Brines (DENT)
Oil wastes (D)
Solid wastes (DE)
Waste oils (E)
DEF Wastes comprised of pure or nonaqueous liquids such as brines, oils, etc.

Litigation (DT)
RT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)

Litter (*)
RT Solid wastes (DE)

Livestock (DNT)
RT Beef cattle (T)
Feedlot wastes (*)
Slaughtering house wastes (*)
Swine (DENT)

Local government (T)
RT County government (*)
National government (T)
State government (DT)

Long path infrared spectroscopy (*)
BT Infrared spectroscopy (DNT)
RT Laser spectroscopy (*)

Loudness (DNT)
RT Noise levels (*)
Noise (Sound) (N)
Noise(Sound) (DT)
Sound pressure (DNT)

Loudness discrimination (T)
BT Perception (NT)
RT Acoustic perception (DNT)
Audiometry (DNT)
Auditory perception (DNT)
Senses (T)

Low flow (*)
RT Rivers (DENT)
Stream flow (T)
Water shortage (*)

Low noise (DN)

Low sulfur coal (*)

Low sulfur fuels (*)
NT Low sulfur coal (*)
RT Clean energy (N)
High sulfur coal (*)

Lumbering (T)
RT Clearcutting (*)
Forestry (DT)
Sawmills (T)

Machinery noise (D)
BT Noise (Sound) (N)
Noise(Sound) (DT)
Sound levels (*)

Magnesium industry (T)
BT Industries (DNT)
Metal industry (T)

Magnesium oxide scrubbing (*)
RT Air pollution control (*)
Wet methods (*)

Malignant neoplasms (T)
BT Neoplasms (DENT)
NT Adenocarcinomas (T)
Angiosarcomas (T)
Breast carcinoma (T)
Bronchogenic carcinoma (T)
Chondrosarcoma (T)
Choriocarcinoma (T)
Cystadenocarcinoma (T)
Fibrosarcoma (T)
Fibrosarcomas (E)
Gastric carcinoma (T)
Hodgkins disease (ET)
Leukemia (DE)
Leukemias (NT)
Liposarcoma (T)
Lymphosarcoma (T)
Medulloblastoma (T)
Melanoma (T)
Melanomas (E)
Multiple myeloma (T)
Nephroblastoma (T)
Neuroblastoma (T)
Reticulum cell sarcoma (T)
Retinoblastoma (T)
Rhabdomyosarcoma (T)
Rhabdomyosarcomas (E)
Sarcoma (DT)
Skin cancer (T)
RT Achlorhydria (T)
Cachexia (T)
Cancer (DN)

Carcinogens (DENT)
Malodorous compounds (D)
RT Odor (E)
Odors (DNT)
Man environment interactions (N)
Management (DENT)
NT Environment management (N)
Forest management (N)
Land management (N)
Resources management (N)
Solid waste management (*)
Water management (N)
Water management(Applied) (*)
RT Administration (E)
Management planning (NT)
BT Planning (DENT)
Management planning and control (D)
Manufactured gas (T)
BT Synthetic fuels (DEN)
RT Bailie process (E)
Biogas process (E)
Blast furnace gas (T)
Coke oven gas (*)
Feedstocks (*)
Fuel gas (E)
Producer gas (E)
Purox pyrolysis process (E)
Synthane (N)
Synthesis gas (E)
Manure (*)
RT Agricultural wastes (ET)
Animal wastes (*)
Barnlot wastes (*)
Feces (DENT)
Feedlot wastes (*)
Fertilizers and wastes (T)
Human wastes (N)
Marble bed scrubbers (*)
BT Scrubbers (DENT)
RT Air pollution control (*)
Marine biology (DNT)
BT Aquatic biology (T)
RT Fresh water biology (T)
Water pollution effects(Animals) (*)
Water pollution effects(Plants) (*)
Marine disposal (E)
RT Ocean waste disposal (D)
Marine environments (N)
Marine fishes (T)
BT Aquatic animals (DT)
Fishes (DENT)
Marine microorganisms (T)
RT Aquatic microbiology (T)
Benthos (T)
Marine Protection Research and Sanctuaries Act (*)
BT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)
Legislation (DET)
NOTE: Enacted in 1972
Marine resources (N)
BT Resources (DENT)
BT Resources (DENT)
RT Coastal ecology (DENT)
Earth resources (DT)
Natural resources (DT)
Marine terminals (DT)
RT Deep water oil terminals (E)
Deepwater terminals (N)
Tanker terminals (N)
Terminal facilities (NT)
Marine transportation (DT)
Marshes (E)
NT Salt marshes (*)
Tidal marshes (*)
RT Swamps (DENT)
Marshlands (N)
BT Land (NT)
RT Marshes (NT)
Salt marshes (*)
Swamps (DNT)
Mass spectrometers (DENT)
Mass spectroscopy (DENT)
RT Chemical analysis (DENT)
Metabolism (DENT)
NT Carbohydrate metabolism (NT)
Mineral metabolism (NT)
Nitrogen metabolism (NT)
Oxygen consumption (DT)
RT Nutrient requirements (*)
Materials handling (DENT)
RT Bailing (*)
Bulk handling (T)
Cargo transportation (T)
Coal handling (T)
Conveying (T)
Feeding (DE)
Feeding (Supplying) (N)
Feeding(Supplying) (T)
Hauling (NT)
Materials recovery (DENT)
BT Recovery (DENT)
RT Byproducts (T)
Recycled materials (D)
Recycling (ENT)
Salvage (DT)
Utilization (DNT)
Waste processing (E)
Waste recycling (D)
NOTE: Used when discussing the actual separation or recovery process of a material, e.g. glass, wood, iron, or paper.
Mathematical models (DENT)
RT Air Quality Display Model (*)
Atmospheric models (NT)

Computerized simulation (DNT)
Economic models (DT)
Environment models (N)
Hiway model (*)

Mathematical prediction (DT)
BT Predictions (DNT)
RT Forecasting (DENT)

Maximum permissible exposure (*)
BT Exposure (NT)

Meat packing industry (*)
BT Food industry (T)
Food processing industries (*)
Industries (DNT)

Megalopolis (T)
RT Cities (NT)
Megalopolises (N)
Urban areas (DET)

Megalopolises (N)
RT Cities (NT)
Communities (DENT)
Megalopolis (T)
Urban areas (DET)

Mercury poisoning (T)
BT Toxic diseases (NT)
RT Toxicology (DNT)

Metal finishing (NT)
NT Chemical finishing (T)
Electroless plating (DT)
Electroplating (DENT)
Metal polishing (NT)
Peening (NT)
Plating (DENT)

Metal industry (T)
BT Industries (DNT)
Industry (E)
NT Aluminum industry (T)
Barium industry (*)
Copper industry (*)
Grey iron industry (*)
Iron and steel industry (T)
Iron industry (D)
Lead industry (*)
Magnesium industry (T)
Selenium industry (*)
Steel industry (D)
Zinc industry (T)
RT Foundries (DET)

Metal recycling (*)
BT Waste recycling (*)

Metal scrap (T)
RT Solid wastes (DE)

Metal scraps (D)

Metals (DENT)
NT Heavy metals (D)

Meteorology (DENT)

Methane bacteria (*)
BT Bacteria (DENT)

Methemoglobin (DE)

Methemoglobinemia (T)
BT Blood diseases (DT)
RT Nitrites (DENT)
Toxic diseases (NT)
Water pollution effects(Humans) (*)

Metropolitan areas (*)
RT Cities (NT)
Communities (DENT)
Industrial areas (N)
Municipalities (DT)
Residential areas (N)
Rural areas (DENT)
Rural urban fringe (T)
Standard metropolitan areas (*)
Suburban areas (N)

Microbiology (DNT)
NT Aquatic microbiology (T)
Bacteriology (DNT)
Soil microbiology (T)

Microclimatology (DNT)
BT Climatology (NT)
RT Bioclimatology (NT)

Microorganism control(Sewage) (T)
BT Sewage treatment (DET)

Microorganism control(Water) (T)
RT Disinfection (DT)
Sterilization (DENT)

Microorganisms (DENT)

Microscopy (DENT)

Microscreening (*)

Microwave radiation hazards (*)

Microwave radiation leakage (*)

Microwave radiobiology (*)
BT Radiobiology (DENT)

Microwave radiometry (*)
RT Oil pollution (D)
Oil pollution detection (*)
Radiometers (DENT)
Water pollution detection (*)

Microwave sterilization (*)
BT Sterilization (DENT)
RT Disinfection (DT)

Mine acid drainage (*)
BT Drainage (DNT)
RT Acid mine drainage (E)
Mine wastes (*)
Mine waters (T)
Water pollution (DENT)

Mine wastes (*)
NT Acid mine drainage (E)
Coal mine spoil (*)
Mine acid drainage (*)
Spoil (DT)
Tailings (ET)
RT Mine waters (T)
Solid wastes (DE)
Strip mine wastes (*)

Mine waters (T)

RT Acid mine drainage (E)
Mine acid drainage (*)
Water pollution (DENT)

Mineral cycling (E)
RT Ecology (DENT)
Ecosystems (DEN)

Mineral industry (E)
BT Industries (DNT)

Mineral wastes (E)
BT Solid wastes (DE)
RT Spoil (DT)
Spoil banks (E)

Mines (E)

Mines (Excavations) (N)

Mines(Excavations) (DT)
NT Coal mines (DT)
Uranium mines (E)
RT Mines (Excavations) (N)

Mining (ENT)
NT Caving mining (T)
Coal mining (ET)
Face preparation mining (T)
Hydraulic mining (T)
Oil shale mining (E)
Open pit mining (T)
Open stope mining (T)
Placer mining (T)
Quarrying (T)
Room and pillar mining (T)
Solution mining (T)
Stope mining (T)
Strip mining (NT)
Surface mining (ET)
Timbered stope mining (T)
Underground mining (ET)

Mining industries (*)
BT Industries (DNT)

Molecular sieves (DE)
RT Air pollution control equipment (DT)

Mollusca (DT
BT Invertebrates (DENT)
NT Gastropoda (DT)
Snails (DET)
Pelecypoda (T)
Clams (DT)
Mussels (DT)
Oysters (DET)
RT Aquatic animals (DT)
Crustacea (DT)
Shellfish (T)

Molluscs (E)

Mollusks (N)

Molten carbonate process (E)
RT Air pollution control (*)
Waste gas recovery (*)
DEF Process for removal of sulfur dioxide from flue gas using ternary eutectic alkali metal carbonate melt; reduction of sulfite and sulfate reaction products with petroleum coke; and reaction of resulting sulfide with steam and carbon dioxide to regenerate carbonate and form hydrogen sulfide, which can be converted to sulfur.

Monitoring (DE)
NT Environmental monitoring (N)

Monitors (DNT)
NT Air pollution monitors (E)
RT Air samplers (E)
Detectors (DNT)
Gas detectors (DNT)
Impactors (NT)
Samplers (DENT)
Warning systems (DNT)

Mortality rates (DT)

Motor noise (T)
RT Electric motor noise (DT)

Motor vehicle engines (T)
NT Automobile engines (NT)
Tractor engines (DT)
Truck engines (T)

Motor vehicle inspection (*)
BT Inspection (DENT)

Motor vehicle maintenance (*)
BT Maintenance (DENT)

Motor vehicles (T)
BT Ground vehicles (DT)
NT Heavy duty vehicles (*)
Light duty vehicles (*))
Motor trucks (T)
Motorcycles (D)
RT Automobiles (ENT)
Automotive vehicles (D)
Electric vehicles (T)
Trucks (DENT)

Mufflers (DNT)
NT Engine mufflers (DT)
RT Noise reduction (DNT)

Multiple purpose reservoirs (T)
BT Reservoirs (DNT)

Municipal engineering (T)
BT Engineering (ENT)
RT Civil engineering (T)
Municipal wastes (E)
Urban engineering (*)

Municipalities (DT)
UF Towns (T)
RT Cities (NT)
Local government (T)
Metropolitan areas (*)
Rural areas (DENT)
Suburban areas (N)
Urban areas (DET)

Munitions industry (DT)
BT Industries (DNT)
RT Chemical industry (DET)

Mussels (DT)
BT Aquatic animals (DT)
Mollusca (DT)
Shellfish (T)
Mutagens (DET)
RT Carcinogens (DENT)
Mutations (DENT)
National Ambient Air Quality Standards (*)
BT Standards (DENT)
Air pollution standards (*)
National Emissions Data System (*)
UF Neds
RT Air pollution (DENT)
Air quality data (*)
Information systems (DENT)
National Environmental Policy Act (E)
UF Nepa
BT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)
Legislation (DET)
National government (T)
RT Local government (T)
State government (DT)
National parks (T)
BT Land (NT)
Parks (NT)
RT Recreational facilities (T)
National pollutant discharge elimination system (*)
Natural abundance (*)
BT Abundance (DENT)
Natural draft cooling towers (E)
BT Cooling towers (DET)
Natural gas processing plants (E)
UF Natural gasoline plants
BT Industrial plants (DENT)
RT Natural gas industry (E)
Natural gas seepage (*)
Natural oil seepage (*)
RT Oil pollution (D)
Oil slicks (N)
Water pollution (DENT)
Natural radioactivity (DET)
BT Radioactivity (DENT)
Natural resources (DT)
BT Resources (DENT)
Natural resources management (*)
RT Resources (DENT)
NEDS - USE:
National Emissions Data System (*)
NEPA - USE:
National Environmental Policy Act (E)
Nephelometers (DNT)
BT Detectors (DNT)
RT Chemical analysis (DENT)
Photometers (DENT)
Turbidimeters (DT)
New York Bight (*)
NOTE: An extensively polluted area around New York Harbor.
Newspapers (NT)
Newsprint (T)
BT Papers (NT)
Printing papers (T)
RT Mechanical pulps (T)
RT Waste papers (T)
Nexus computer code (*)
BT Computer programs (DENT)
Nitric acid plants (*)
BT Chemical plants (T)
Industrial plants (DENT)
Nitrification (T)
Nitrogen cycle (ET)
BT Biochemical cycles (T)
RT Nitrification (T)
Nitrogen fixation (ET)
RT Nitrification (T)
Nitrogen fixing bacteria (T)
BT Bacteria (DENT)
Noise analyzers (DT)
Noise annoyance (*)
Noise Control Act of 1972 (*)
BT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)
Legislation (DET)
RT Noise pollution (DN)
Noise reduction (DNT)
Noise exposure (*)
Noise exposure forecasts (*)
BT Forecasting (DENT)
Noise exposure models (*)
Noise intensity (N)
Noise levels (*)
RT Effective perceived noise levels (N)
Loudness (DNT)
Noise masking (T)
RT Noise reduction (DNT)
Noise measurement (N)
RT Acoustic measurement (DT)
Acoustic measurements (N)
Frequency analyzers (DNT)
Frequency measurement (ENT)
Frequency meters (DT)
Noise meters (N)
Sound analyzers (DT)
Sound level meters (T)
Noise meters (N)
Noise pollution (DN)
BT Pollution (DENT)
RT Airport and Airway Development Act of 1970 (*)
Environment pollution (N)
Federal Aid Highway Act (*)
Noise Control Act of 1972 (*)
Noise pollution abatement (*)
BT Abatement (T)

Pollution abatement (D)
NOTE: NTIS uses this term only to express the prevention of noise pollution by design changes or planning. It covers methods to stop noise from even being generated.

Noise Pollution and Abatement Act of 1970 (*)
BT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)
Legislation (DET)
RT Noise pollution (DN)
Noise reduction (DNT)

Noise reduction (DNT)
RT Acoustic absorption (DT)
Acoustic attenuation (DN)
Acoustic filters (DT)
Acoustic insulation (DT)
Damping (DENT)
Engine mufflers (DT)
Mufflers (DNT)
Noise Control Act of 1972 (*)
Noise masking (T)
Noise suppressors (*)
Silencers (NT)
Sonic chokes (*)
Vibration damping (NT)
Vibration isolators (DNT)

Noise (Sound) (N)

Noise spectra (N)

Noise standards (*)
BT Standards (DENT)

Noise suppressors (N)

Noise(Sound) (DT)
NT Aerodynamic noise (DNT)
Aircraft noise (DNT)
Aircraft propeller noise (T)
Airport noise (DNT)
Ambient noise (DT)
Background noise (DENT)
Compressor noise (DT)
Effective perceived noise levels (N)
Electric motor noise (DT)
Engine noise (DNT)
Gear noise (DT)
Highway noise (*)
Internal combustion engine noise (DT)
Jet aircraft noise (NT)
Jet engine noise (DT)
Jet plane noise (D)
Low noise (DN)
Machinery noise (D)
Marine propeller noise (T)
Motor noise (T)
Propeller noise (D)
Rocket engine noise (D)
Rocket motor noise (*)
Ship noise (D)
Sonic boom (DT)
Sonic booms (N)
Tire noise (*)
Traffic noise (*)
Transportation noise (*)
Vehicle noise (*)

Nondispersive infrared spectroscopy (*)
BT Infrared spectroscopy (DNT)

Nonpoint sources (*)
BT Sources (DNT)
RT Point sources (EN)
Stationary sources (*)

Nuclear agro industrial complexes (*)
BT Energy parks (E)
Nuclear parks (E)

Nuclear explosions (DENT)

Nuclear fuel reprocessing (T)

Nuclear parks (E)
BT Energy parks (E)
NT Nuclear agro industrial complexes (*)

Nuclear power (E)
RT Electric power (DENT)
Nuclear energy (DENT)

Nuclear power plants (DENT)
BT Electric power plants (DNT)
Thermal power plants (DET)
NT Offshore nuclear power plants (E)
Underground nuclear stations (E)
Underwater nuclear power plants (*)

Nuclear power reactors (N)

Nuclear reactor accidents (T)
BT Accidents (DENT)
NT Fuel element failure (E)
Loss of coolant (E)
Loss of flow (E)
Meltdown (E)
Power-cooling-mismatch accidents (E)
Reactor core disruption (E)
RT Radiation hazards (DENT)
Reactor accidents (DE)

Nuclear reactors (DENT)
NT Breeder reactors (DENT)
Power reactors (EN)
Power reactors(Nuclear) (T)
NOTE: See Reactor terms in the various thesauri for a complete list.

Nutrients (DENT)
RT Inorganic nitrates (NT)
Inorganic phosphates (T)
Nitrates (DEN)
Phosphates (DEN)
NT Nutrient removal (*)
Nutrient requirements (*)
Path of pollutants (*)

Occupational diseases (DET)
NT Anthracosilicosis (T)
Asbestosis (T)
Berylliosis (ET)
Farmers lung (T)

Pneumoconiosis (T)
Pneumoconioses (E)
RT Air pollution effects(Humans) (*)
Contact dermatitis (NT)
Flash burns (ET)
Industrial medicine (DET)
Respiratory diseases (DNT)
Skin diseases (DET)

Occupational health and safety (*)
RT Auditory defects (DNT)
Ear protectors (DNT)
Environmental health (*)
Industrial medicine (DET)
Maximum permissible exposure (*)
Noise exposure (*)
Occupational diseases (DET)
Public health (DENT)
Ultrasonic injuries (T)

Ocean bottom (DNT)
RT Benthos (ET)

Ocean currents (DNT)

Ocean dumping - USE:
Ocean waste disposal (D)

Ocean environments (DT)

Ocean waste disposal (*)
BT Waste disposal (DENT)
RT Liquid waste disposal (*)
Marine disposal (E)
Outfall sewers (T)
Radioactive waste disposal (E)
Solid waste disposal (*)

Oceanographic data (DT)
RT Water quality data (*)

Oceanographic surveys (T)
BT Surveys (DET)

Oceans (DENT)
BT Topographic features (T)
NT Territorial seas (T)
RT Seas (E)
NOTE: NTIS indexes for the specific ocean or sea and usually does not use the broad term Oceans.

Odor control (T)

Odors (DNT)
RT Malodorous compounds (D)

Offshore drilling (DET)
BT Drilling (DENT)
RT Blowouts (E)
Gas wells (T)
Natural gas wells (E)
Offshore sites (E)
Offshore structures (DT)
Oil recovery (NT)
Oil wells (T)
Well drilling (E)

Offshore nuclear power plants (E)
BT Electric power plants (DNT)
Nuclear power plants (DENT)
Thermal power plants (DET)
NT Atlantic-1 reactor (E)
Atlantic-2 reactor (E)
RT Offshore reactor sites (E)
Offshore sites (E)

Offshore reactor sites (N)
RT Offshore nuclear power plants (E)

Offshore sites (E)

Offshore structures (DT)
RT Offshore drilling (DET)
Offshore platforms (EN)
Offshore sites (E)

Oil burners (DT)
BT Burners (DENT)
RT Gas burners (T)

Oil fingerprints - USE:
Oil tagging (*)

Oil pollution (D)
BT Pollution (DENT)
RT Ballast (DNT)
Ballast tanks (DT)
Ballast water (*)
Bunker oils (T)
Crude oil (DNT)
Fuel oil (DT)
Lubricating oils (DENT)
Natural oil seepage (*)
Oils (DENT)
Residual fuels (E)
Ship accidents (*)
Water pollution (DENT)

Oil pollution containment (D)
RT Booms(Equipment) (DT)
Oil retention booms (*)

Oil pollution control (*)
RT Sinking agents (*)
Oil retention booms (*)

Oil pollution detection (*)
BT Water pollution detection (*)
Oil tagging (*)
Water analysis (DT)

Oil pollution removal (*)
RT Absorption (DENT)
Biodeterioration (DT)
Cleaning (DENT)
Coalescing (NT)
Dispersing (DNT)
Materials recovery (DENT)
Oil water separators (*)
Skimmers (ET)

Oil retention booms (*)
BT Booms (Equipment) (N)
Booms(Equipment) (T)
RT Oil pollution containment (*)

Oil seeps - USE:
Natural oil seepage (*)

Oil shale industry (E)
BT Industries (DNT)

Oil shale mining (E)
BT Mining (ENT)
Oil slicks (N)
RT Natural oil seepage (*)
Oil spills (DE)
RT Contingency planning (*)
Oil pollution (D)
Oil spreading process (*)
Oil spreading rate (*)
Oil tagging (*)
UF Oil fingerprints
RT Labeled substances (DT)
Law enforcement (DT)
Oil pollution (D)
Oil spills (DE)
Oil pollution detection (*)
Oil wastes (DT)
BT Liquid wastes (DE)
RT Waste oils (E)
DEF Concentrated waste oils not diluted, e.g. waste automobile lubricating oil.
Oil water separators (*)
R Ballast water (*)
Oil wells (ET)
Once through boilers (*)
BT Boilers (DENT)
Once-through cooling systems (E)
Opacity (DENT)
RT Optical properties (DENT)
Transmissivity (DNT)
Transmittance (DNT)
Turbidity (DENT)
Visibility (DNT)
OPDAR - USE:
Optical radar (DNT)
Open burning (*)
RT Combustion (DENT)
Operating costs (T)
BT Cost (E)
Costs (DNT)
Expenses (T)
Optical radar (DNT)
UF Laser radar
Lidar
Opdar
RT Air pollution detection (*)
Detection (DNT)
Laser spectroscopy (*)
Optical detection (DT)
Remote sensing (ET)
Ordinances (T)
RT Regulations (DENT)
Pollution regulations (E)
Law enforcement (DT)
Law(Jurisprudence) (DT)
Licenses (ET)
Litigation (DT)
Organic chemicals industry
BT Chemical industry (DET)
Industries (DNT)
Organic loadings (*)
RT Stream pollution (T)
Water pollution (DENT)
Organic solvents (DET)
BT Solvents (DENT)
Organic wastes (ET)
RT Agricultural wastes (ET)
Bagasse (ET)
Dissolved organic matter (T)
Manure (*)
Rice hulls (*)
Organic wastes (Fuel conversion) (N)
Outfall sewers (T)
BT Sewers (T)
RT Ocean waste disposal (D)
Sewage treatment effluents (*)
Overfire air systems (*)
RT Air pollution control (*)
Boilers (DENT)
Overflows (T)
RT Combined sewers (T)
Sewers (T)
Oxidants - USE:
Oxidizers (DNT)
Oxidation (DENT)
RT Aeration (DNT)
Oxygenation (NT)
NT Wet oxidation (*)
Oxidation lagoons - USE:
Aeration ponds (*)
Oxidizers (DNT)
UF Photochemical oxidants (E)
Oxygen sag (*)
RT Aeration (DNT)
Anaerobic conditions (ET)
Dissolved oxygen (T)
Oxygenation (NT)
Oysters (DET)
BT Aquatic animals (DT)
Mollusca (DT)
Molluscs (E)
Mollusks (N)
Shellfish (DT)
Ozonation (D)
Ozonization (T)
RT Air pollution control (*)
Industrial waste treatment (T)
Sewage treatment (DET)
Water pollution control (*)
Water treatment (DENT)
Packaging materials (DT)
RT Bag papers (T)
Bags (DENT)
Boxboard (T)
Container board (T)
Packaging papers (T)

Paper (DE)
Paperboards (T)
Papers (NT)
Plastic bags (*)

Packaging papers (T)
BT Packaging materials (DT)
Papers (NT)
NT Bag papers (T)

Packed bed (*)
UF Fixed bed
RT Beds (Process engineering) (N)
Beds(Process engineering) (T)
Fluidized bed (E)
Fluidized bed processes (D)

Paint industry (*)
BT Industries (DNT)

Paper (DE)
NT See under Papers
RT Papers (NT)

Paper industry (DT)
BT Industries (DNT)
RT Paper mills (T)
Papermaking (T)

Paper mills (T)
BT Industrial plants (DENT)

Paper recycling (*)
BT Waste recycling (*)
RT Recycled paper (*)

Paperboard (D)

Paperboards (T)
BT Fiberboards (T)
Papers (NT)
NT Boxboard (T)
Container board (T)

Papermaking (T)
RT Paper mills (T)
Pulp mills (DT)
Pulpers (D)
Pulping (T)
Spent liquors(Pulping) (T)
Spent sulfite liquors (T)

Papers (NT)
NT Bag papers (T)
Book paper (T)
Boxboard (T)
Building papers (T)
Container board (T)
Kraft paper (T)
Newspapers (NT)
Newsprint (T)
Packaging papers (T)
Paperboards (T)
Printing papers (T)
Recycled paper (*)
Sulfite paper (T)
Wallpaper (T)
Waste papers (T)
RT Paper (DE)

Parking facilities (DT)

Parks (NT)
BT Land (NT)
NT National parks (T)
RT Industrial parks (*)
Landscaping (T)
Playgrounds (T)
Recreational facilities (T)

Parrosaniline analysis (*)
BT Chemical analysis (DENT)
RT Air pollution detection (*)

Particle resuspension (E)
RT Aerosols (DENT)
Air pollution (DENT)
Dispersions (DENT)
Dust (DNT)
Dusts (E)
Particles (DENT)
Path of pollutants (*)
Radionuclide migration (*)

Particle size (DET)

Particle size distribution (NT)

Particles (DENT)
RT Aerosols (DENT)
Air pollution (DENT)
Dust (DNT)
Fines (DNT)
Particle resuspension (E)
Smoke (DNT)
Soot (DNT)
Superfines (T)
Total suspended particulates (*)
Ultrafines (T)

Particulate sampling (N)

Particulates (D)
RT Air pollution (DENT)
Particles (DENT)

Path of pollutants (*)
RT Atmospheric motion (DT)
Drainage (DNT)
Environmental exposure pathway (E)
Ground water (DENT)
Hydrologic cycle (T)
Hydrology (DENT)
Particle resuspension (E)
Radionuclide migration (E)
Runoff (DT)
Subsurface drainage (T)
Surface drainage (T)
Surface water runoff (T)
DEF Used to describe the flow of pollutants from a source to some point in the environment. It is primarily used in connection with water pollution studies.

Pathogenesis (DENT)
NT Carcinogenesis (DE)
Leukemogenesis (E)
RT Cancer (DN)

Carcinogens (DENT)
Malignant neoplasms (T)
Pathogens (N)
RT Bacteria (DENT)
Penalties (DNT)
RT Costs (DN)
Fines(Charges) (*)
Law enforcement (DT)
Percolation (DNT)
RT Ground water (DENT)
Permeability (DENT)
Seepage (DNT)
Soil water (T)
Performance standards (T)
BT Standards (DENT)
RT Standards compliance (*)
Permafrost (DENT)
RT Arctic regions (DENT)
Tundra (DENT)
Permissible dosage (DT)
Persistence - USE:
Environmental persistence (*)
Pest control (DET)
Pest eradication (E)
Pesticide removal (*)
RT Absorption(Biology) (T)
Accumulation (DET)
Pesticide residues (*)
Residues (DENT)
Pesticide residues (*)
BT Residues (DENT)
RT Absorption(Biology) (T)
Accumulation (DET)
Bioaccumulation (*)
Biological accumulation (E)
Biologically stable substances (*)
Environmental persistence (*)
Pesticide removal (*)
Pesticides (DENT)
NT Algicides (T)
Herbicides (DET)
Insecticides (DENT)
Molluscacides (DT)
Pyrethrum (T)
Rodenticides (DT)
RT Federal Environmental Pesticide Control Act (*)
Federal Insecticide, Fungicide, and Rodenticide Act (*)
Hazardous materials (T)
NOTE: For chemicals and tradenames, see the Pesticides heading in the chemical index at the back of this microthesaurus.
Petrochemical industry (*)
BT Chemical industry (DET)
Industries (DNT)
Petroleum industry (DET)
BT Industries (DNT)
RT Petrochemical industry (*)
Petroleum pipelines (T)
NT Alaska oil pipeline (E)
Alaska pipeline (E)
Trans Alaska pipeline (*)
RT Pipelines (DENT)
Petroleum refineries (E)
BT Refineries (DT)
RT Petroleum refining (T)
Refinery capacity (*)
Refining (DENT)
Petroleum refining (T)
BT Refining (DENT)
RT Destructive distillation (ET)
Distillation (DENT)
Refineries (DT)
Phenol disulfonic acid analysis (*)
BT Chemical analysis (DENT)
RT Air pollution detection (*)
EPA Method 7 (*)
Phosphate fertilizer industry (*)
BT Industries (DNT)
Phosphate industry (*)
Phosphate industry (*)
RT Industries (DNT)
Phosphate rock slime (*)
Phosphoric acid plants (*)
BT Industrial plants (DENT)
RT Chemical industry (DET)
Photochemical oxidants (E)
BT Oxidizers (DNT)
Photochemical reactions (DNT)
BT Chemical reactions (DENT)
RT Smog (DENT)
Photochemistry - USE:
Photochemical reactions (DNT)
Photographic processing chemicals (T)
Photometers (DENT)
BT Detectors (DNT)
Physical chemical treatment (*)
BT Sewage treatment (DET)
RT Tertiary treatment (*)
Physiology (DENT)
NT Animal physiology (T)
Plant physiology (T)
Phytoplankton (DT)
BT Plankton (DENT)
RT Zooplankton (DET)
Piezoelectric gages (DNT)
RT Detectors (DNT)
Pipelines (DENT)
NT Alaska gas pipeline (E)
Alaska oil pipeline (E)
Alaska pipeline (E)
Arctic gas pipelines (E)
Gas pipelines (E)
Petroleum pipelines (T)
Slurry pipelines (E)

Trans Alaska pipeline (*)
Water pipelines (T)
Pitch discrimination (DT)
RT Auditory perception (DNT)
Plankton (DENT)
NT Phytoplankton (DT)
Zooplankton (DET)
Planning (DENT)
NT Airport planning (N)
Comprehensive planning (*)
Contingency planning (*)
County planning (*)
Highway planning (T)
Implementation air pollution planning (*)
Land use planning (*)
Regional planning (NT)
State planning (*)
Transportation planning (*)
Urban planning (DNT)
Plant ecology (T)
BT Ecology (DENT)
Plant growth (DET)
RT Plant physiology (T)
Vegetation growth (N)
Plant location (T)
RT Site surveys (T)
Sites (DNT)
Plant metabolism (T)
BT Metabolism (DENT)
Plant pathology (DT)
Plant physiology (T)
Plants (E)
Plants (Botany) (N)
Plants(Botany) (DT)
NT Algae (DENT)
Aquatic plants (DT)
Aquatic weeds (DT)
Dicots (*)
Kelp (D)
Kelps (*)
Phaeophyta (T)
Sea grasses (NT)
Seaweeds (N)
Trees (Plants) (N)
Trees(Plants) (T)
Vegetable crops (T)
Vegetation (T)
Water hyacinth (D)
RT Plants (E)
Plastic bags (*)
BT Bags (DENT)
Containers (DENT)
Packaging materials (DT)
Plastics industry (DT)
BT Industries (DNT)
Plastics recycling (*)
BT Waste recycling (D)
Playgrounds (T)
BT Recreational facilities (T)
Plume detection (T)
Plumes (DENT)
RT Air pollution (DENT)
Water pollution (DENT)
Point sources (EN)
BT Sources (DNT)
RT Air pollution (DENT)
Nonpoint sources (*)
Stationary sources (*)
Water pollution (DENT)
Poisoning (Reaction inhibition) (N)
RT Chemical reactions (DENT)
Sewage treatment (DET)
Poisoning(Toxicology) - USE:
Toxic diseases (NT)
Poisons (DNT)
Policies (DNT)
NT Energy policy (EN)
Government policies (ET)
Pollen (DENT)
RT Particles (DENT)
Particulates (D)
Pollution (DENT)
NT Air pollution (DENT)
Environment pollution (N)
Global air pollution (N)
Land pollution (E)
Noise pollution (DN)
Oil pollution (D)
Radioactive contaminants (NT)
Radioactive wastes (DENT)
Solid wastes (DE)
Thermal pollution (DEN)
Water pollution (DENT)
Pollution abatement (D)
NT Air pollution abatement (E)
Land pollution abatement (E)
Noise pollution abatement (*)
Water pollution abatement (DE)
RT Solid waste abatement (*) (DE)
NOTE: NTIS uses this term only to express the prevention of pollution by design changes or planning. It covers methods to stop pollutants from ever being formed.
Pollution control (N)
NT Air pollution control (*)
Biological industrial waste treatment (*)
Industrial waste treatment (T)
Noise reduction (DNT)
Sewage treatment (DET)
Water pollution control (*)
Pollution control agencies (E)
NT Air pollution control agencies (*)
RT Bureaus (Organizations) (N)
Environmental protection agency (*)
Federal agencies (*)
Pollution control equipment (E)

NT Air pollution control equipment (DT)
Water pollution control equipment (DE)
Pollution laws (E)
BT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)
Legislation (DET)
NT See under Law(Jurisprudence)
Pollution monitoring (N)
BT Monitoring (DET)
RT Air pollution monitors (E)
Air pollution sampling (*)
Environmental monitoring (N)
Monitoring (DE)
Water pollution sampling (*)
Pollution regulations (E)
BT Regulations (DENT)
RT Enforcement (E)
Law enforcement (DT)
Polyelectrolytes (DT)
RT Coagulants (T)
Positive crankcase ventilation (D)
RT Automobile engines (NT)
Potable water (NT)
BT Water (DENT)
RT Drinking water (DE)
Safe Drinking Water Act (*)
Potassium formate process (*)
RT Air pollution control (*)
NOTE: In this process SO2 is reacted with potassium formate to produce K2S2O3.
Potato industry (*)
BT Industries (DNT)
Potato processing (*)
BT Food processing (DT)
Potential emissions (*)
RT Air pollution (DENT)
Potentiometric analysis (DNT)
BT Chemical analysis (DENT)
RT Ion selective electrodes (DN)
Poultry processing (*)
BT Food processing (DT)
Poultry processing industry (*)
BT Industries (DNT)
Precipitation (Chemistry) (N)
Precipitation (Meteorology) (N)
Precipitation washout (*)
RT Acid rain (E)
Precipitation (Meteorology) (N)
Precipitation(Meteorology) (T)
Washout (E)
Precipitation(Chemistry) (T)
Precipitation(Meteorology) (T)
NT Acid rain (E)
Hail (DENT)
Rain (DENT)
Sleet (T)
Snow (DENT)
RT Atmospheric condensation (DT)
Precipitation washout (*)
Washout (E)
Predictions (DNT)
NT Mathematical prediction (DT)
Preventive medicine (DET)
RT Industrial hygiene (DT)
Industrial medicine (DET)
Occupational health and safety (*)
Prices (ET)
RT Charges (E)
Expenses (T)
Peak-load pricing (E)
Profits (DT)
Rates(Costs) (T)
Selling costs (T)
Value (DNT)
Primary biological productivity (T)
BT Biological productivity (T)
RT Ecology (DENT)
Ecosystems (DEN)
Primitive areas - USE:
Wilderness areas (*)
Printing (DNT)
Printing papers (T)
BT Papers (NT)
NT Book paper (T)
Newsprint (T)
Project planning (NT)
Proteins (DENT)
NT Single cell protein (E)
Public administration (DT)
RT Civil service (*)
County government (*)
Government (T)
Governments (N)
Local government (T)
National government (T)
State government (DT)
Public health (DENT)
RT Environmental health (*)
Hygiene (DNT)
Industrial hygiene (DT)
Industrial medicine (DET)
Occupational health and safety (*)
Public land (T)
BT Land (NT)
RT National parks (T)
Parks (NT)
Recreational facilities (T)
Public lands (E)
Public law (T)
BT Law (Jurisprudence) (N)
Law(Jurisprudence) (T)
Laws (EN)
Public Law 90-148 - USE:
Air Quality Act of 1967 (*)
Public Law 91-604 - USE:

Clean Air Amendments of 1970 (*)
Public Law 92-500 - USE:
Federal Water Pollution Control Act Amendments of 1972 (*)
Public Law 93-523 - USE:
Safe Drinking Water Act of 1974 (*)
Public Law 94-163 - USE:
Energy Policy and Conservation Act (*)
Public opinion (DT)
BT Opinions (T)
RT Attitude surveys (T)
Attitudes (T)
Sociometrics (DT)
Public relations (DENT)
RT Communications management (T)
Community relations (DT)
Pulmonary neoplasms (T)
Pulp mills (DT)
RT Paper industry (DT)
Paper making (T)
Paper mills (T)
Spent sulfite liquors (T)
Pulping (T)
NT Chemical pulping (T)
Mechanical pulping (T)
Sulfate pulping (T)
Sulfite pulping (T)
RT Macerating (DT)
Papermaking (T)
Pulps (T)
NT Chemical pulps (T)
Rag pulp (T)
Sulfate pulps (T)
Sulfite pulps (T)
Wood pulp (T)
Pulsed absorption bed process (*)
Purox pyrolysis process (E)
UF Union Carbide Waste Processing System
BT Waste processing (E)
RT Manufactured gas (T)
Pyrolysis (DT)
Solid waste disposal (*)
Synthetic fuels (DEN)
DEF Union Carbide process for pyrolysis of solid wastes using pure oxygen to supply a high temperature zone with the production of low Btu gas that can be upgraded to high Btu gas.
Pyrolysis incineration (*)
RT Incinerators (DENT)
Solid waste disposal (*)
Quality of life (*)
Quarrying (T)
BT Mining (ENT)
Surface mining (ET)
RT Rocks (ENT)
Strip mining (NT)
Radiation Control for Health and Safety Act of 1968 (*)
BT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)
Legislation (DET)
RT Radioactive contaminants (NT)
Radiation dosage (DNT)
BT Dosage (DNT)
Doses (E)
RT Dose rate (DT)
Dose rates (E)
Exposure (NT)
Lethal dosage (DT)
Lethal doses (E)
Lethal radiation dose (E)
Radiation tolerance (DNT)
Radiation doses (E)
Radiation effects (DENT)
NT Biological radiation effects (E)
Genetic radiation effects (E)
Radiation injuries (DENT)
NOTE: NTIS uses this term for biological effects only.
Radiation hazards (DENT)
BT Hazards (DENT)
NT Electromagnetic radiation hazards (*)
Microwave radiation hazards (*)
Microwave radiation leakage (*)
Radiofrequency radiation hazards (*)
X ray radiation leakage (*)
RT Electromagnetic radiation (DENT)
Fallout (T)
Ionizing radiation (DNT)
Nuclear radiation (T)
Nuclear reactor accidents (T)
Radioactive materials (DENT)
Radioactive wastes (DENT)
Radiation injuries (DENT)
BT Radiation effects (DENT)
NT Laser injuries (*)
Radiation burns (ET)
Ultrasonic burns (*)
Radiation measurement (N)
Radiation measuring instruments (DNT)
BT Measuring instruments (DENT)
NT Alpha particle detectors (DT)
Cerenkov counters (NT)
Chemical dosemeters (E)
Chemical dosimeters (T)
Crystal counters (DET)
Dosemeters (E)
Dosimeters (DNT)
Foil dosimeters (T)
Gamma counters (DT)
Geiger counters (DNT)
Geiger-Mueller counters (E)
Luminescent dosimeters (DT)
Neutron counters (DT)

Neutron detectors (E)
Nuclear emulsion counters (T)
Photographic dosimeters (DT)
Photographic film dosemeters (E)
Photometers (DENT)
Proton counters (DT)
Radiation counters (NT)
Radioactivant dosimeters (T)
Radiometers (DENT)
Scintillation counters (DENT)
Solid state counters (T)
Threshold detectors (Dosimeters) (N)
Threshold detectors(Dosimeters) (NT)

Radiation monitors (DET)

Radiation protection laws (E)
RT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)
Legislation (DET)
Pollution laws (DET)

Radiation sources (EN)
BT Sources (DNT)

Radiation tolerance (DNT)
BT Tolerances (Physiology) (N)
Tolerances(Physiology) (DT)
RT Radiation dosage (DNT)

Radioactivation analysis (DT)
BT Chemical analysis (DENT)

Radioactive contaminants (NT)
RT Air pollution (DENT)
Fallout (DENT)
Land pollution (E)
Radiation Control for Health and Safety Act of 1968 (*)
Radioactive wastes (DENT)
Water pollution (DENT)
Land pollution (E)

Radioactive contamination (D)

Radioactive materials (DENT)
RT Radioactive contaminants (NT)
Radioactive wastes (DENT)

Radioactive waste disposal (E)
BT Waste disposal (DENT)
RT Liquid waste disposal (*)
Solid waste disposal (*)

Radioactive waste processing (ET)
BT Waste processing (E)

Radioactive waste storage (E)

Radioactive wastes (DENT)
BT Wastes (DENT)
RT Air pollution (DENT)
Environment pollution (N)
Land pollution (E)
Radioactive contaminants (NT)
Water pollution (DENT)

Radioactivity (DENT)
NT Natural radioactivity (DET)

Radiobiology (DENT)
RT Radiation effects (DENT)
Radiation hazards (DENT)

Radioecological concentration (E)
RT Ecology (DENT)
Radioecology (ET)

Radioecology (ET)
BT Ecology (DENT)

Radiofrequency radiation hazards (*)
BT Electromagnetic radiation hazards (*)
Radiation hazards (DENT)

Radiometers (DENT)
RT Detectors (DNT)

Radionuclide migration (*)
RT Path of pollutants (*)
Particle resuspension (E)

Rain (DENT)
BT Precipitation (Meteorology) (N)
Precipitation(Meteorology) (T)
NT Acid rain (E)
RT Precipitation washout (*)
Washout (E)

Rain water (E)
BT Water (DENT)

Rainfall (DT)

Raman spectroscopy (DNT)
RT Chemical analysis (DENT)
Infrared spectroscopy (DNT)
Spectroscopic analysis (NT)

Rangelands (N)
BT Land (NT)

Ranking (DNT)
RT Comparison (DNT)
Evaluation (ENT)
Ratings (DNT)

Rapid transit systems (EN)
BT Transportation (DNT)
Transportation systems (E)
RT Mass transportation (DT)
Subways (T)
Urban transportation (NT)

Rates(Costs) (T)
NT Water rates (*)
RT Charges (E)
Expenses (T)
Peak-load pricing (E)
Prices (T)
Profits (DT)
Selling costs (T)
Value (DNT)
DEF Costs per unit of use.

RDF - USE:
Refuse derived fuels (E)

Reactivity - USE:
Chemical reactivity (*)

Reactor accidents (DE)
BT Accidents (DENT)
NT See under Nuclear reactor accidents

Reactor cooling systems (E)

BT Cooling systems (ENT)
NT Direct cycle cooling systems (E)
Dual cycle cooling systems (E)

Reactor fuels (D)
RT Nuclear fuels (ENT)

Reactor safety (EN)
NOTE: Includes theoretical and experimental investigations of the behavior of reactor types and designs under various real or hypothetical accidents.

Reactor shutdown (DE)
NT Scram (E)

Reactor sites (E)
RT Site selection (DE
Site surveys (T)

Reactor siting (*)
RT Site selection (DE)

Reactor technology (EN)
RT Nuclear engineering (ET)
Reactor safety (EN)
Reactors (EN)

Reactors (ENT)
RT Chemical reactors (T)
Electric reactors (T)
Nuclear reactors (T)

Recharge - USE:
Ground water recharge (T)

Reclamation (DNT)
NT Land reclamation (ET)
RT Materials recovery (DENT)
Salvage (DT)
Utilization (DNT)
Waste recycling (D)

Recreation (DNT)
RT Recreational facilities (T)
Tourism (*)
Travel (NT)

Recreational facilities (T)
NT Bowling alleys (T)
Playgrounds (T)
Stadiums (T)
Swimming pools (ET)
RT Cultural centers (T)
Gymnasiums (T)
Lakes (DENT)
Marinas (T)
National parks (T)
Parks (NT)
Reservoirs (DNT)
Skiing (DT)

Recycled materials (D)
RT Materials (DENT)
Solid waste disposal (*)
Waste recycling (D)

Recycling (ENT)
NT Waste recycling (D)
RT Energy conservation (DEN)
Materials recovery (DENT)
Reclamation (DNT)
Resource conservation (E)
Solid waste disposal (*)
Utilization (DNT)
Waste processing (E)

Recycling centers - USE:
Waste recycling centers (*)

Reduction (Chemistry) (N)

Reduction(Chemistry) (T)
RT Chemical reactions (DENT)

Refineries (DT)
BT Chemical plants (T)
Industrial plants (DENT)
RT Chemical industry (DET)
Petrochemical industry (*)
Petroleum industry (DET)
Petroleum refining (T)
Refinery capacity (*)
Refining (DENT)

Refinery gases (E)
BT Petroleum products (DET)
RT Fossil fuels (DENT)
Fuel gas (E)
Natural gas (DENT)
Petroleum refineries (E)

Refining (DENT)
NT Petroleum refining (T)
RT Petroleum refineries (E)
Refineries (DT)
Refinery capacity (*)
Retorting (E)

Refueling (DNT)
RT Air pollution (DENT)
Service stations (*)

Refuse (T)
UF Trash (T)
BT Garbage (NT)
Refuse derived fuels (E)
Solid wastes (DE)

Refuse derived fuels (E)
BT Fuels (DENT)
RT Bailie process (E)
Biogas process (E)
Black Clawson process (E)
Fluidized bed refuse gasification (E)
Industrial wastes (ENT)
Municipal wastes (E)
Purox pyrolysis process (E)
Refuse (ET)
Solid wastes (DE)
Synthetic fuels (DEN)
DEF Fuels prepared from solid municipal or industrial wastes by removing all noncombustible materials, shredding to a desired size, and possible pelleting or briquetting. Also includes fuels derived from refuse pyrolysis and methane production from sanitary landfills.

Refuse disposal (T)

RT Household refuse grinders (*)
Regeneration (Engineering) (N)
Regeneration(Engineering) (DT)
RT Materials recovery (DENT)
Reclamation (DNT)
Regeneration (E)
Waste recycling (D)
Regional analysis (E)
Regional planning (NT)
RT County planning (*)
Land development (T)
Land use (DENT)
River basin development (T)
Urban development (NT)
Urban planning (DNT)
Urbanization (T)
Regions (DNT)
NT Antarctic regions (DENT)
Arctic regions (DENT)
Arid regions (*)
Coastal regions (DE)
Cold regions (D)
Deserts (DENT)
Polar regions (DENT)
Remote regions (N)
Semiarid regions (*)
Temperate regions (DNT)
Tropical regions (DENT)
RT Land (NT)
Regulations (DENT)
NT International regulations (E)
Pollution regulations (E)
RT Law enforcement (DT)
Law(Jurisprudence) (DT)
Licenses (ET)
Litigation (DT)
Ordinances (T)
Relocation (DNT)
NT Urban relocation (T)
Remote sensing (ET)
RT Aerial photography (DNT)
Airborne detection (*)
Optical radar (NT)
Radar detection (NT)
Remote sensors (N)
BT Detectors (DNT)
Sensors (N)
Rendering industry (*)
BT Industries (DNT)
Rendering plants (*)
BT Industrial plants (DENT)
RT Food processing (DT)
Research management (DNT)
RT Project planning (NT)
Reservoirs (DNT)
NT Multiple purpose reservoirs (T)
RT Destratification (*)
Selective withdrawal (*)
Stratification (DENT)
Thermal stratification (*)
Residential areas (N)
RT Cities (NT)
Megalopolises (N)
Rural areas (DENT)
Residential buildings (T)
NT Apartment buildings (ET)
Hotels (*)
Houses (ET)
Housing(Dwellings) (D)
Mobile homes (E)
Motels (*)
Townhouses (*)
Residual fuels (E)
BT Fuel oils (EN)
Residual oils (T)
BT Crude oil (DNT)
Oils (DENT)
Petroleum (E)
Petroleum products (DET)
Residues (DENT)
RT Absorption(Biological) (D)
Absorption(Biology) (T)
Accumulation (DET)
Bioaccumulation (*)
Biological accumulation (E)
Biologically stable substances (*)
Environmental persistence (*)
Pesticide residues (*)
Resource allocation (N)
RT Energy management (D)
Energy policy (EN)
Energy resources (*)
Fuel substitution (*)
Interfuel competition (*)
Resource allocation models (*)
Resource conservation (E)
NT Natural resource conservation (*)
RT Energy conservation (DEN)
Resources (DENT)
Resource management (D)
Resources (DENT)
NT Earth resources (N)
Marine resources (N)
Natural resources (DT)
Resources management (N)
BT Management (DENT)
NT Environment management (N)
Forest management (N)
Land management (N)
Man environment interactions (N)
Water management (N)
Water quality management (*)
Respiration (DENT)
RT Inhalation (DENT)
Respiratory diseases (DNT)
NT Asbestosis (T)

Asthma (DNT)
Berylliosis (ET)
Emphysema (DNT)
Silicosis (ET)
RT Cigarette smoking (*)
Resuspension - USE:
Particle resuspension (E)
Retrofit devices (*)
Retrofitting (DE)
Return flow (*)
RT Irrigation (ENT)
Irrigation water (*)
Revegetation (E)
RT Land reclamation (ET)
Risk (DNT)
River and Harbor Act of 1899 (*)
BT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)
Legislation (DET)
RT Water pollution (DENT)
River basin development (T)
RT Community development (T)
Economic development (ENT)
Flood plain zoning (T)
Land development (T)
Land reclamation (ET)
Land use zoning (T)
Regional planning (NT)
Urban development (NT)
Urban planning (DNT)
Urbanization (T)
Water resources (DENT)
River basins (NT)
BT Watersheds (DENT)
River flow - USE:
Stream flow (T)
River regulation (T)
RT Channel improvements (T)
Channel stabilization (T)
Rivers (DENT)
BT Streams (DENT)
Topographic features (T)
Roads (DENT)
RT Highways (DENT)
Rocket exhaust (DNT)
BT Exhaust gases (DENT)
Roofing (T)
Rotating disc process (*)
BT Sewage treatment (DET)
Rotating disk separators (*)
BT Separators (DNT)
Rubber industry (T)
BT Industries (DNT)
RT Chemical industry (DET)
Rubble (T)
RT Refuse (ET)
Solid wastes (DE)

Runoff (DT)
NT Agricultural runoff (*)
Storm water runoff (*)
Surface water runoff (T)
Water runoff (N)
RT Drainage (DNT)
Flood control (DET)
Floods (DENT)
Hydrology (DENT)
Rainfall (DT)
Soil erosion (DNT)
Stream flow (T)
Surface drainage (T)
Surface waters (DET)
Urban hydrology (*)
Watersheds (DENT)
Rural areas (DENT)
RT Farms (T)
Metropolitan areas (*)
Remote areas (D)
Suburban areas (N)
Urban areas (DET)
Rural land use (N)
BT Land use (DENT)
Rural sociology (T)
BT Sociology (DENT)
RT Farm management (T)
Rural urban fringe (T)
RT Rural areas (DENT)
Suburban areas (N)
Urban areas (DET)
Safe Drinking Water Act of 1974 (*)
BT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)
Legislation (DET)
RT Potable water (NT)
Water pollution (DENT)
Water quality maintenance (*)
Saline soils (T)
BT Soils (DENT)
RT Salinity (DENT)
Soil chemistry (T)
Salinity (DENT)
RT Brackish water (T)
Saline soils (T)
Salt water (DT)
Salt water intrusion (T)
Sea water (DNT)
Seawater (E)
Salt marshes (*)
BT Marshes (E)
Marshlands (N)
RT Swamps (DNT)
Wetlands (N)
Salt water (DT)
BT Water (DENT)
Salt water intrusion (T)

RT Fluid infiltration (T)
Ground water (DENT)
Hydrology (DENT)
Salt water (DT)
Water influx (T)
Saltzman analysis (*)
BT Chemical analysis (DENT)
Salvage (DT)
RT Materials recovery (DENT)
Reclamation (DNT)
Secondary materials industry (*)
Waste recycling (D)
Samplers (DENT)
NT Air samplers (E)
High volume samplers (*)
RT Air pollution detection (*)
Air pollution monitors (E)
Air sampling (N)
Detectors (DNT)
Gas detectors (DNT)
Impactors (NT)
Warning systems (DNT)
Water analysis (DT)
Water pollution detection (*)
Sampling (DENT)
NT Air pollution sampling (*)
Air sampling (N)
Continuous sampling (T)
Gas sampling (T)
Particulate sampling (N)
Random sampling (N)
Water pollution sampling (*)
Air pollution monitoring (*)
Samplers (DENT)
Sand filtration (T)
BT Filtration (DENT)
RT Sewage filtration (T)
Sanitary engineering (DT)
RT Sewage treatment (DET)
Water treatment (DENT)
Sanitary landfills (E)
BT Solid waste disposal (*)
Waste disposal (DENT)
RT Earth fills (DT)
Saroad - USE:
Storage and retrieval of aerometric data (*)
Sawdust (T)
RT Solid wastes (DE)
Wood wastes (ET)
Scrap (NT)
NT Metal scrap (T)
Metal scraps (D)
RT Solid wastes (DE)
Scrap recycling (*)
RT Solid wastes (DE)
Waste recycling (*)
Scrubbers (DENT)
NT Charged droplet scrubbers (*)
Flux force-condensation scrubbers (*)
Marble bed scrubbers (*)
Venturi scrubbers (*)
RT Air pollution control equipment (DT)
Scrubbing (*)
NT Gas scrubbing (T)
RT Scrubbers (DENT)
Washing (ENT)
Sea water (DNT)
BT Water (DENT)
RT Seawater (E)
Seafood (DET)
RT Aquaculture (ET)
Seafood processing (*)
BT Food processing (DT)
Seawater (E)
BT Water (DENT)
RT Sea water (DNT)
Secondary materials industry (*)
BT Industries (DNT)
RT Materials recovery (DENT)
Reclamation (DNT)
Salvage (DT)
Waste recycling (D)
Secondary sewage treatment (*)
BT Sewage treatment (DET)
Sediment transport (DNT)
Sediment water interactions (*)
RT Limnology (DENT)
Sediments (DENT)
Suspended sediments (T)
Water chemistry (DET)
Sediment water interfaces (*)
Sedimentation (DET)
Sedimentation tanks (T)
RT Clarifiers (DT)
Sediments (DENT)
NT Bed load (T)
Planktonic sediments (T)
Suspended sediments (T)
RT Benthos (ET)
Sediment water interactions (*)
Silts (T)
Selective withdrawal (*)
RT Ground water (DENT)
Reservoirs (DNT)
Water management(Applied) (*)
Selenium industry (*)
BT Metal industry (T)
Self purification (*)
RT Aeration (DENT)
Lakes (DENT)
Reaeration (*)
Rivers (DENT)
Stream pollution (T)
Streams (DENT)
Water chemistry (DET)
Water pollution (DENT)

Semiarid land (T)
BT Land (NT)
RT Arid land (DT)
Separation (DNT)
NT Clarification (T)
Color separation (DT)
Concentrating (NT)
Deaeration (DT)
Degasification (D)
Degassing (ENT)
Desalination (DE)
Desalting (T)
Desorption (DENT)
Dewatering (T)
Electrodialysis (DNT)
Electrostatic precipitation (DT)
Electrostatic separation (E)
Elution (DNT)
Elutriation (E)
Extraction (DENT)
Filtration (DENT)
Flotation (DENT)
Ion exchanging (NT)
Osmosis (DENT)
Precipitation (Chemistry) (N)
Precipitation(Chemistry) (T)
Size screening (T)
Size separation (NT)
Straining (T)
Separators (DNT)
NT Cyclone separators (DET)
Rotating disk separators (*)
Vortex separators (*)
Septic tanks (DT)
RT Household wastes (*)
Sewage treatment (DET)
Service stations (*)
RT Refueling (DNT)
Settling (NT)
Settling basins (T)
RT Sedimentation tanks (T)
Sewage (DENT)
Sewage bacteria (*)
BT Bacteria (DENT)
Sewage disposal (DET)
RT Irrigation (ENT)
Land disposal (*)
Liquid waste disposal (*)
Ocean waste disposal (*)
Sewage irrigation (*)
Sludge disposal (T)
Ultimate disposal (*)
Waste disposal (DENT)
Sewage filtration (T)
BT Filtration (DENT)
NT Moving bed contactor filtration (*)
RT Cross flow filtration (*)
Sand filtration (T)
Trickling filtration (T)
Vacuum filtration (T)
Sewage flow rate (*)
BT Flow rate (DET)
Sewage irrigation (*)
BT Irrigation (ENT)
RT Greenbelt irrigation (*)
Land disposal (*)
Liquid waste disposal (*)
Sewage (DENT)
Sewage disposal (DET)
Ultimate disposal (*)
Waste disposal (DENT)
Sewage sludge (E)
BT Sludge (DNT)
DEF Semiliquid waste resulting from sedimentation of solids from raw sewage or sewage treatment processes.
Sewage treatment (DT)
NT Chemical removal(Sewage treatment) (T)
Microorganism control(Sewage) (T)
Physical chemical treatment (*)
Secondary sewage treatment (*)
Shipboard sewage treatment systems (*)
Tertiary treatment (*)
RT Activated carbon treatment (T)
Activated sludge process (DET)
Aeration (DENT)
Aeration ponds (*)
Aerobic processes (DT)
Ammonia stripping (*)
Anaerobic lagoons (*)
Anaerobic processes (DT)
Chlorination (DENT)
Clarification (T)
Coagulation (DNT)
Concentrating (NT)
Denitration (*)
Denitrification (*)
Dewatering (T)
Digestion(Decomposition) (T)
Disinfection (DT)
Enzyme technology (*)
Flocculating (NT)
Flotation (DENT)
Foam fractionation (*)
Ion exchanging (NT)
Irradiation (DENT)
Lagoons(Ponds) (T)
Methane bacteria (*)
Nitrification (T)
Oxygenation (NT)
Ozonization (T)
Precipitation (Chemistry) (N)
Precipitation(Chemistry) (T)
Rotating disc process (*)
Settling (NT)
Shock loading(Sewage treatment) (*)

Sludge digestion (T)
Sludge treatment (*)
Thickening (T)
Wet oxidation (*)

Sewage treatment effluents (*)
BT Effluents (DNT)
RT Sewage (DENT)
Water pollution (DENT)

Sewage treatment plants (*)
BT Industrial plants (DENT)

Sewer pipes (T)

Sewer surcharges (*)
RT Tax surcharges (*)
Taxes (DET)
Water rates (*)

Sewers (T)
NT Combined sewers (T)
Outfall sewers (T)
Interceptor sewers (*)
Storm sewers (T)
RT Catch basins (T)
Overflows (T)
Storm water runoff (*)
Urban hydrology (*)

SF Nateko process (E)
RT Air pollution control (*)
Sulfur oxides (DENT)
DEF Sulfur removal process for stack gases by countercurrent contact with lime slurry.

Shellfish (DT)
BT Aquatic animals (DT)
NT Cladocera (T)
Crustacea (DT)
Barnacles (DT)
Crabs (DNT)
Lobster (D)
Lobsters (ET)
Shrimp (DE)
Shrimps (T)

Shipboard sewage treatment systems (*)
BT Sewage treatment (DET)

Ships (DENT)
RT Boats (DNT)

Shock loading(Sewage treatment) (*)
RT Sewage treatment (DET)

Shopping centers (T)

Shore protection (T)
RT Bank protection(Waterways) (T)
Beach erosion (DT)

Shores (DET)
BT Topographic features (T)
RT Coastal topographic features (T)
Coasts (DNT)
Lakes (DENT)
Oceans (DENT)

Shredders (T)

Shredding (DNT)
BT Comminution (DENT)

Significant deterioration(Air pollution) (*)
DEF The deterioration of an area's air that is cleaner than the US standards so that it reaches the pollutant level of these standards.

Silicosis (ET)
BT Respiratory diseases (DNT)
RT Air pollution effects(Humans) (*)
Industrial medicine (DET)
Occupational diseases (DET)

Single cell protein (E)
BT Proteins (DENT)
RT Animal feeds (E)
Feeding stuffs (T)

Sinking agents (*)
RT Oil pollution control (*)
Water pollution control (*)

Sinks(Biosphere) (*)
RT Biosphere (EN)
Ecosystems (DEN)

SIPS(State Implementation Plans) - USE:
Implementation air pollution planning program (*)

Site selection (DE)
RT Economic impact (*)
Environmental impacts (*)
Reactor sites (E)
Social effect (*)

Site surveys (T)
RT Economic factors (NT)
Economic surveys (T)
Environmental surveys (NT)
Plant location (T)

Sites (DNT)

Size screening (T)
BT Size separation (NT)

Skimmers (ET)
RT Oil pollution removal (*)

Skin cancer (T)
BT Cancer (DN)
Malignant neoplasms (T)

Sky brightness (DNT)
RT Haze (DNT)

Slagging pyrolysis process (E)
BT Waste processing (E)
DEF Andco-Torrax process for gasification of unprocessed solid waste and recovery of energy in waste heat boiler of special design for steam and/or power generation.

Slaughtering house wastes (*)
RT Food processing (DT)
Paunch (*)
Solid wastes (DE)
Water pollution (DENT)

Sludge (DNT)
NT Sewage sludge (E)

Sludge digestion (T)
BT Digestion(Decomposition) (T)

Sludge disposal (T)

BT Solid waste disposal (*)
Waste disposal (DENT)
RT Earth fills (DT)
Land disposal (*)

Sludge drying (T)
BT Drying (DENT)

Sludge treatment (*)

Sludges (E)

Smelters (T)

Smelting (DENT)
RT Metal industry (T)

Smog (DENT)
RT Aerosols (DENT)
Haze (DNT)
Photochemical reactions (DNT)

Smoke (DNT)
RT Combustion products (DENT)
Particles (DENT)
Particulates (D)

Smoke abatement (DNT)
RT Air pollution abatement (E)
Smoke detectors (*)

Smoke stacks (D)
RT Chimneys (DENT)
Stacks (E)

Smokemeters (*)
RT Detectors (DNT)

Snowmelt (T)
RT Runoff (T)
Surface water runoff (T)

Social effect (*)

Social factors (N)

Social planning (*)

Socio-economic factors (E)
RT Economic factors (NT)

Sociology (DENT)
NT Rural sociology (T)
Urban sociology (T)
RT Quality of life (*)

Soil analysis (T)
RT Chemical analysis (DENT)

Soil bacteria (*)
BT Bacteria (DENT)

Soil chemistry (T)
RT Agronomy (DT)
Environmental persistence (*)
Pesticide residues (*)
Residues (DENT)

Soil classification (DT)

Soil conservation (T)
BT Conservation (DNT)
RT Agricultural engineering (T)
Contour farming (T)
Cultivation (NT)
Dust control (DT)
Erosion control (T)
Land development (T)
Land restoration (*)
Reforestation (DT)
Soil erosion (DNT)
Strip cropping (T)
Terracing (T)
Water conservation (DT)
Wind erosion (NT)

Soil erosion (DNT)
BT Erosion (DENT)
NT Beach erosion (DT)
Piping(Erosion) (T)
RT Cultivation (NT)
Dust storms (DNT)
Erosion control (T)
Landslides (DENT)
Reforestation (DT)
Runoff (DT)
Soil conservation (T)
Water erosion (T)
Wind erosion (NT)

Soil fertility (T)
RT Plant growth (DET)
Plant nutrition (T)

Soil microbiology (T)
BT Microbiology (DNT)

Soil science (DNT)

Soil stabilization (DT)

Soil surveys (DT)

Soil tests (DT)

Soil water (T)
BT Water (DENT)
NT Capillary water (T)
Hygroscopic water (T)

Soiling index (*)
RT Air pollution effects(Materials) (*)

Soils (DENT)

Solid waste abatement (*)
NOTE: NTIS uses this term only to express the prevention of solid wastes by design changes or planning to stop the wastes from ever being formed.

Solid waste collection systems (*)
RT Waste recycling centers (*)
Waste transfer stations (*)

Solid waste disposal (*)
BT Waste disposal (DENT)
NT Garbage disposal (DT)
Junk car disposal (*)
Refuse disposal (T)
Sludge disposal (T)
RT Bailie process (E)
Biogas process (E)
Black Clawson system (E)
Color separation (DT)
Earth fills (DT)
Incinerators (DENT)
Land disposal (*)
Liquid waste disposal (*)
Marine disposal (E)

Materials recovery (ENT)
Ocean waste disposal (D)
Purox pyrolysis process (E)
Recycled materials (D)
Refuse disposal (T)
Salvage (DT)
Sanitary landfills (E)
Secondary materials industry (*)
Sludge disposal (T)
Radioactive waste disposal (E)
Waste processing (E)
Waste processing plants (E)
Waste recycling (D)
Waste recycling centers (*)
Waste transfer stations (*)
Waste treatment (DT)
Waste utilization (N)

Solid Waste Disposal Act (*)
BT Law (Jurisprudence (N)
Law(Jurisprudence) (DT)
Laws (EN)
Legislation (DET)
RT Solid waste disposal (*)
Solid wastes (DE)
NOTE: Enacted in 1973
Waste utilization (N)

Solid waste management (*)
BT Management (DENT)

Solid waste processing - USE:
Waste processing (E)

Solid waste treatment - USE:
Waste treatment (DT)

Solid wastes (DE)
BT Wastes (DENT)
NT Coal refuse (*)
Dredge spoil (*)
Garbage (DNT)
Hospital solid wastes (*)
RT Agricultural wastes (ET)
Bagasse (ET)
Beverage containers (*)
Bottles (DNT)
Boxes (Containers) (N)
Boxes(Containers) (T)
Cans (NT)
Containers (DENT)
Disposable containers (*)
Domestic wastes (*)
Dredging (DT)
Fly ash (DET)
Glass (DENT)
Hazardous materials (T)
Human wastes (N)
Industrial wastes (ENT)
Litter (*)
Manure (*)
Metal scrap (T)
Metal scraps (D)
Mine wastes (T)
Mineral wastes (E)
Organic wastes (ET)
Packaging materials (DT)
Pollution (DENT)
Recycled paper (*)
Refuse (ET)
Scrap (NT)
Sewage sludge (E)
Sludge (DNT)
Solid waste disposal (*)
Spoil (DT)
Tailings (ET)
Tires (DENT)
Waste papers (T)
Wastes(Industrial) (D)
Wood chips (*)
Wood wastes (T)

Solvents (DENT)
NT Organic solvents (DET)

Sonic boom (DT)
BT Noise (Sound) (N)
Noise(Sound) (DT)
RT Aircraft noise (DNT)
Noise pollution (DN)
Supersonic flight (DNT)

Sonic booms (N)

Sonic chokes (*)
RT Noise reduction (DNT)

Soot (DNT)
RT Air pollution (DENT)
Particles (DENT)
Particulates (D)

Sorting (DEN)
BT Separation (DNT)
RT Classifying (NT)
Color separation (DT)
Solid waste disposal (*)
Waste processing (E)

Sound analyzers (DT)
BT Acoustic measuring instruments (T)
RT Acoustic detectors (DT)
Frequency analyzers (DNT)
Frequency meters (DT)
Noise meters (NT)

Sound level meters (T)
BT Acoustic measuring instruments (T)
RT Acoustic detectors (DT)
Effective perceived noise levels (N)
Frequency meters (DT)
Noise meters (NT)

Sound pressure (DNT)

Sound propagation (N)
RT Sound transmission (T)

Sound transmission (DNT)
RT Sound propagation (N)

Sound waves (DENT)

Sour crudes (ET)

BT Petroleum (E)
RT High sulfur fuels (*)
Hydrogen sulfide (DNT)
Sulfur (DENT)
DEF Crude oils containing an abnormally large amount of sulfur and sulfur compounds.

Sources (DNT)
NT Nonpoint sources (*)
Point sources (EN)
Radiation sources (EN)
Stationary sources (*)

Spectroscopic analysis (NT)
BT Chemical analysis (DENT)
RT Atomic spectroscopy (DT)
Colorimetric analysis (DT)
Infrared spectroscopy (DNT)
Laser spectroscopy (*)
Ultraviolet spectroscopy (DNT)
X ray fluorescence (NT)

Spent liquors(Pulping) (T)
BT Industrial wastes (ENT)
NT Black liquors (T)
Spent sulfite liquors (T)
RT Cooking liquors(Pulping) (T)
Paper industry (DT)
Paper mills (T)
Papermaking (T)
Water pollution (DENT)

Spoil (DT)
NT Coal mine spoil (*)
Dredge spoil (*)
RT Coal refuse (*)
Dredging (DT)
Mine wastes (*)
Solid wastes (DE)
Tailings (ET)
DEF Solid wastes (usually soil and rock) generated from earth excavation.

Spoil banks (E)
BT Solid wastes (DE)
RT Land reclamation (E)
Mine wastes (*)
Mineral wastes (E)
Solid wastes (DE)
Spoil (DT)
DEF Banks of disturbed earth, mine wastes, tailings, etc.

Spray cooling (E)
RT Cooling systems (ENT)

Spray irrigation systems (*)
BT Irrigation systems (D)

Spray propellants (*)
UF Aerosol spray propellants
RT Aerosol spray containers (*)
Air pollution (DENT)

Stabilization (DENT)
NT Chemical stabilization (T)
RT Sewage treatment (DET)
Water pollution control (*)

Stack disposal (E)
RT Air pollution control (*)

Stack gases - USE:
Flue gas (E)
or
Flue gases (DT)

Stacks (E)
RT Chimneys (DENT)
Smoke stacks (D)

Standard metropolitan statistical areas (*)
BT Metropolitan areas (*)
RT Urban areas (DET)

Standards (DENT)
NT Air pollution standards (*)
Noise standards (*)
Performance standards (T)
Water pollution standards (*)

Standards compliance (*)
BT Compliance (E)

State government (DT)
RT Local government (T)
National government (T)

State planning (*)
BT Planning (DENT)

State programs (*)

Stationary sources (*)
BT Sources (DNT)
RT Nonpoint sources (*)
Point sources (EN)

Steam electric power generation (T)
BT Electric power generation (T)

Steel industry (D)
BT Industries (DNT)
RT Iron and steel industry (T)

Steel making (T)
RT Iron and steel industry (T)
Steel industry (D)

Sterilization (DENT)
NT Microwave sterilization (*)
RT Chlorination (DENT)
Disinfection (DT)
Irradiation (DENT)
Ionizing radiation (DNT)

Stone and Webster process (E)
RT Air pollution control (*)

Storage and retrieval of aerometric data (*)
UF Saroad
RT Air Quality data (*)

Storm sewers (T)
BT Sewers (T)
RT Catch basins (T)
Combined sewers (T)
Outfall sewers (T)
Storm water runoff (*)
Surface water runoff (T)

Storm water drainage (*)

BT Drainage (DNT)
RT Surface drainage (T)

Storm water runoff (*)
BT Runoff (T)
RT Surface drainage (T)
Surface water runoff (T)
Urban hydrology (*)

Strategy (DNT)
RT Air quality maintenance (*)
Implementation air pollution planning(*)

Stratification (DENT)
NT Thermal stratification (*)
RT Destratification (*)
Reservoirs (DNT)

Stratified charge engines (ET)
BT Engines (DENT)
RT Automobile engines (NT)
Internal combustion engines (ENT)

Stratosphere (DET)

Stream erosion (T)
BT Erosion (DENT)
RT Water erosion (T)

Stream flow (T)
BT Liquid flow (ENT)
Water flow (DNT)
RT Flood routing (T)
Hydrology (DENT)

Stream pollution (T)
BT Pollution (DENT)
Water pollution (DENT)
NOTE: NTIS uses this term to express studies concerned with the hydrology, limnology, or water chemistry of pollutants in rivers or streams.

Stream stabilization - USE:
Channel stabilization (T)

Streams (DENT)
NT Rivers (DENT)
Underground streams (T)

Stress (Physiology) (N)

Stress (Psychology) (N)

Stress(Physiology) (DT)
RT Biological stress (E)

Stress(Psychology) (DT)

Stretford process (E)
RT Claus process (E)
Waste gas recovery (*)
NOTE: In this process H2S is converted to sulfur.

Strip mine wastes (*)
BT Mine wastes (*)

Strip mining (NT)
BT Mining (ENT)

Substitutes (DNT)
NT Environmental chemical substitutes (*)

Subsurface drainage (T)
BT Drainage (DNT)
RT Ground water (DENT)

Subsurface irrigation (T)
BT Irrigation (ENT)
RT Surface irrigation (T)

Suburban areas (N)
RT Cities (NT)
Metropolitan areas (*)
Municipalities (DT)
Residential areas (N)
Rural areas (DENT)
Rural urban fringe (T)
Standard metropolitan areas (*)
Urban areas (DET)

Sugar beet processing (*)
BT Food processing (DT)

Sugar industry (*)
BT Industries (DNT)

Sulfate pulping (T)
BT Chemical pulping (T)
Pulping (T)
RT Kraft paper (T)
Papermaking (T)

Sulfate pulps (T)
BT Chemical pulps (T)
Pulps (T)
RT Dissolving pulps (T)
Kraft paper (T)

Sulfation (DNT)
RT Chemical reactions (DENT)

Sulfite cooking liquors (T)
BT Cooking liquors(Pulping) (T)
RT Spent sulfite liquors (T)

Sulfite paper (T)
BT Papers (NT)

Sulfite pulping (T)
BT Chemical pulping (T)
Pulping (T)

Sulfite pulps (T)
BT Chemical pulps (T)
Pulps (T)
RT Paper mills (T)
Papermaking (T)
Pulp mills (DT)
Pulping (T)

Sulfox process (E)
RT Air pollution control (*)
Sulfur oxides (DENT)
Waste gas recovery (*)
DEF Conversion of hydrogen sulfide in some refinery gas or water streams to high-purity molten sulfur. Process operates on aqueous solution of ammonia and hydrogen sulfide, which may be refinery sour water or rich solution obtained by absorbing hydrogen sulfide from refinery gas with aqueous ammonia recycled from a Sulfox unit.

Sulfuric acid plants (*)
BT Chemical plants (T)
Industrial plants (DENT)

Superports - USE:
Deepwater terminals (N)
Supersonic aircraft (DNT)
BT Aircraft (DENT)
Airplanes (DT)
NT Concorde aircraft (N)
Supersonic commercial air transport (N)
Supersonic transports (DNT)
RT Air pollution (DENT)
Commercial aircraft (DNT)
Jet aircraft (DNT)
Noise pollution (DN)
Sonic boom (DT)
Sonic booms (N)
Supersonic commercial air transport (N)
Supersonic flight (DNT)
RT Sonic boom (DT)
Sonic booms (N)
Supersonic transport (E)
BT Aircraft (DENT)
Supersonic transports (DNT)
BT Aircraft (DENT)
Airplanes (DT)
RT Commercial aircraft (DNT)
Jet aircraft (DNT)
Supersonic aircraft (DNT)
Supertankers (*)
BT Tanker ships (ENT)
Tankers (DN)
Supplementary air pollution abatement (*)
BT Air pollution abatement (E)
DEF Methods to achieve short term ground level air quality and therefore supplement the installation of permanent control options.
Surface drainage (T)
BT Drainage (DNT)
Runoff (DT)
RT Storm water drainage (*)
Subsurface drainage (T)
Surface irrigation (T)
BT Irrigation (ENT)
Sewage irrigation (*)
RT Sprinkler irrigation (T)
Subsurface irrigation (T)
Surface mining (ET)
BT Mining (ENT)
Surface water (N)
Surface water runoff (T)
BT Runoff (DT)
Surface waters (DET)
RT Storm sewers (T)
Storm water runoff (*)
Surface drainage (T)
Urban hydrology (*)
Surface waters (DET)
BT Water (DENT)
RT Brackish water (DT)
Fresh water (DET)
Lakes (DENT)
Ponds (DENT)
Reservoirs (DNT)
Rivers (DENT)
Salt water (DT)
Sea water (DNT)
Streams (DENT)
Suspended sediments (T)
BT Sediments (DENT)
RT Bed load (T)
Planktonic sediments (T)
Swamps (DENT)
RT Marshes (E)
Marshlands (N)
Muskeg (DT)
Muskegs (N)
Salt marshes (*)
Symap computer program (*)
BT Computer programs (DENT)
RT Air pollution (DENT)
RT Manufactured gas (T)
Synthane (N)
Synthetic foods (*)
Synthetic fuels (DEN)
NT Blast furnace gas (T)
Coke oven gas (E)
Manufactured gas (T)
Producer gas (E)
Synthane (N)
Synthesis gas (E)
Synthetic petroleum (E)
RT Biogas process (E)
Feedstocks (*)
Fisher-Tropsch synthesis (E)
Purox pyrolysis process (E)
Synthetic petroleum (E)
RT Feedstocks (*)
Tailings (ET)
BT Solid wastes (DE)
Coal refuse (*)
Mine wastes (T)
Solid wastes (DE)
Spoil (DT)
DEF Solid wastes left after ore or mineral processing.
Tanker ships (ENT)
BT Ships (DENT)
NT Supertankers (*)
RT Petroleum (E)
Transport (E)
Tanker terminals (N)
RT Deepwater terminals (N)
Deep water oil terminals (E)
Tankers (DN)
BT Ships (DENT)
Tax incentives (*)
Tax surcharges (*)
RT Sewer surcharges (*)

Water rates (*)
Taxes (DET)
RT Sewer surcharges (*)
Tax incentives (*)
Tax surcharges (*)
Water pollution taxes(Charges) (*)
Temperature inversion (D)
Temperature inversions (ENT)
RT Air pollution (DENT)
Atmospheric echo sounding (*)
Atmospheric temperature (DN)
Smog (DENT)
Urban heat islands (*)
Atmospheric motion (DT)
Terminal facilities (NT)
NT Marine terminals (DT)
RT Deepwater oil terminals (E)
Deepwater terminals (N)
Tanker terminals (N)
Terrestrial ecosystems (E)
BT Ecosystems (DEN)
RT Aquatic ecosystems (E)
Ecology (DENT)
Tertiary treatment (*)
BT Sewage treatment (DT)
RT Physicol chemical treatment (*)
Tests (NT)
NT Chemical tests (NT)
Environmental tests (DNT)
Field tests (DT)
Performance testing (E)
Performance tests (DNT)
Radiation tests (DT)
Soil tests (DT)
Well tests (T)
Textile finishing (T)
Textile industry (DT)
BT Industries (DNT)
Textile processes (T)
RT Dyeing (T)
Thermal effluents (E)
UF Heated effluents (E)
BT Pollution (DENT)
RT Cold effluents (E)
Thermal pollution (DEN)
Waste heat (E)
Waste heat utilization (*)
Water pollution (DENT)
Thermal pollution (DEN)
BT Pollution (DENT)
BT Pollution (DENT)
RT Air pollution (DENT)
Cold effluents (E)
Thermal effluents (E)
Waste heat (E)
Waste heat utilization (*)
Water pollution (DENT)
Thermal power plants (DET)
BT Electric power plants (DNT)
Power plants (EN)
NT Fossil-fuel power plants (E)
Geothermal power plants (E)
Nuclear power plants (DENT)
Offshore nuclear power plants (E)
Orbital solar power plants (E)
Solar sea power plants (E)
Solar thermal power plants (E)
Thermal stratification (*)
BT Stratification (DENT)
RT Destratification (*)
Reservoirs (DNT)
Tidal marshes (*)
BT Marshes (E)
RT Salt marshes (*)
Swamps (DNT)
Tidewater (DT)
BT Water (DENT)
Tile drains (T)
RT Drainage (DNT)
Subsurface drainage (T)
Tire noise (*)
BT Noise (Sound) (N)
Noise(Sound) (DT)
RT Highway noise (*)
Tire recycling (*)
BT Waste recycling (*)
Tires (DENT)
NT Automobile tires (T)
RT Solid wastes (DE)
Tolerances (Physiology) (N)
Tolerances(Physiology) (DT)
NT Heat tolerance (DNT)
Human tolerances (N)
Radiation tolerances (DNT)
Toxic tolerances (DT)
Topographic features (T)
NT Bays (Topographic features) (N)
Bays(Topographic features) (T)
Beaches (DNT)
Coastal topographic features (T)
Coasts (DNT)
Continental shelf (E)
Continental shelves (DNT)
Deltas (DNT)
Dunes (DNT)
Estuaries (DENT)
Glaciers (DENT)
Gulfs (DNT)
Hills (T)
Inlets (Topography) (N)
Inlets(Waterways) (DT)
Islands (DEN)
Islands(Landforms) (T)
Lagoons (N)
Lagoons(Landforms) (DT)
Lakes (DENT)

Marshlands (N)
Marshes (*)
Mountains (DENT)
Muskeg (DT)
Muskegs (N)
Oceans (DENT)
Plains (NT)
Reefs (DNT)
River basins (NT)
Rivers (DENT)
Salt water marshes (*)
Shores (DET)
Swamps (DENT)
RT Deserts (DENT)

Total suspended particulates (*)
BT Particles (DENT)
RT Air pollution (DENT)

Towns - USE:
Municipalities (DT)

Toxic Substances Control Act (*)
BT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)
Legislation (DET)

Toxic agent alarms (DT)
BT Detectors (DNT)
RT Warning systems (DNT)

Toxic diseases (NT)
NT Benzene poisoning (N)
Botulism (T)
Carbon monoxide poisoning (DNT)
Carbon tetrachloride poisoning (N)
Fluoride poisoning (T)
Hydrocarbon poisoning (N)
Lead poisoning (NT)
Mercury poisoning (T)
RT Food poisoning (DT)
Methemoglobinemia (T)
Occupational diseases (DET)
Toxicity (DENT)

Toxic hazards (DN)
BT Hazards (DENT)

Toxic tolerances (DT)

Toxicity (DENT)
RT Detoxification (DT)
Poisons (DNT)
Toxic diseases (NT)
Toxicology (DENT)
NOTE: NTIS uses this term only when a report discusses the measurement of the effects versus the concentration of the substance.

Toxicity and safety hazard (N)

Toxicology (DNT)
RT Air pollution effects(Animals) (*)
Air pollution effects(Humans) (*)
Air pollution effects(Plants) (*)
Contaminants (DNT)
Hazards (DENT)
Occupational diseases (DET)
Pathology (DNT)
Poisons (DNT)
Water pollution effects(Animals) (*)
Water pollution effects(Humans) (*)
Water pollution effects(Plants) (*)

Trace elements (DENT)
RT Heavy metals (D)
Metals (DENT)
Nutrients (DENT)
Trace amounts (E)

Tracer studies (D)
RT Air pollution (DENT)
Krypton 85 (ENT)
Plumes (DENT)
Sulfur hexafluoride (T)
Sulfur fluorides (ENT)
Water pollution (DET)

Tracer techniques (E)

Traces (N)

Tradeoffs (N)

Traffic congestion (*)

Traffic noise (*)
BT Noise (Sound) (N)
Noise(Sound) (DT)
RT Highway transportation (T)
Motor vehicles (T)
Urban transportation (NT)
Vehicle noise (*)

Trans Alaska pipeline (*)
BT Petroleum pipelines (T)
RT Alaska oil pipeline (E)
Alaska pipeline (E)

Transmissometers (DNT)
BT Detectors (DNT)

Transportation (DNT)
NT Air transportation (DNT)
Cargo transportation (T)
Commercial transportation (T)
Hazardous materials transportation (D)
Highway transportation (T)
Marine transportation (DT)
Passenger transportation (T)
Pipeline transportation (T)
Rail transportation (DNT)
Rail transport (E)
Urban transportation (NT)
Water transportation (T)
Waterway transportation (T)
RT Bus lines (T)
Transportation systems (E)

Transportation management (T)
RT Air pollution abatement (E)
Noise pollution abatement (*)
Traffic engineering (T)
Vehicular traffic control (T)
Water pollution abatement (DE)

Transportation noise (*)

BT Noise (Sound) (N)
Noise(Sound) (DT)
RT Airport and Airway Development Act of 1970 (*)
Engine noise (DNT)
Federal Aid Highway Act (*)
Internal combustion engine noise (DT)
Motor noise (T)
Tire noise (*)
Traffic noise (*)
Vehicle noise (*)

Transportation planning (*)
BT Planning (DENT)
Transportation systems (E)

Trash - USE:
Refuse (ET)

Trash disposal - USE:
Refuse disposal (T)

Trees (DEN)
RT Trees (Plants) (N)
Trees(Plants) (T)

Trees (Plants) (N)

Trees(Plants) (T)

Trends (DNT)
RT Forecasting (DENT)

Trickling filtration (T)
BT Filtration (DENT)
RT Sewage treatment (DT)

Trucks (DENT)
BT Ground vehicles (DT)
Motor vehicles (T)
RT Electric trucks (T)
Heavy duty vehicles (*)
Light duty vehicles (*)
Motor trucks (T)

Tundra (DENT)
RT Arctic regions (DENT)
Permafrost (DENT)
Terrestrial ecosystems (E)

Turbidimeters (DT)

Turbidity (DENT)

Turbulent diffusion (DNT)
RT Atmospheric diffusion (NT)

TVA - USE:
Tennessee Valley Authority (E)

TYCO process (E)
RT Waste gas recovery (*)

Ultimate disposal (*)
RT Earth fills (DT)
Injection wells (ET)
Irrigation (ENT)
Land disposal (*)
Liquid waste disposal (*)
Sanitary landfills (*)
Sewage irrigation (*)
Solid waste disposal (*)

Ultrafiltration (DE)

Ultrasonic injuries (T)
RT Auditory defects (DNT)

Underground disposal (E)
RT Injection wells (ET)
Liquid waste disposal (*)
Solid waste disposal (*)
Waste disposal (DENT)

Underground storage (NT)
RT Solid waste disposal (*)

Unleaded gasoline (E)
UF Lead-free gasoline
BT Gasoline (DENT)

Unregulated emissions (*)

Urban areas (DET)
RT Blighted areas (T)
Builtup areas (T)
Cities (NT)
Central city (T)
Communities (DENT)
Industrial areas (N)
Megalopolis (T)
Megalopolises (N)
Metropolitan areas (*)
Municipalities (DT)
Neighborhoods (T)
Residential areas (N)
Rural area, (DENT)
Rural urban fringe (T)
Standard metropolitan statistical areas (*)
Suburban areas (N)

Urban development (NT)
RT Community development (T)
Economic development (ENT)
Land development (T)
Land use (DENT)
Regional planning (NT)
Urban planning (DNT)
Urban renewal (T)
Urbanization (T)

Urban geography (T)

Urban heat islands (*)
RT Air pollution (DENT)
Smog (DENT)
Temperature inversions (NT)

Urban hydrology (*)
BT Hydrology (DENT)
RT Drainage (DNT)
Runoff (DT)
Storm water runoff (*)
Surface drainage (T)
Surface water runoff (T)

Urban planning (DNT)
BT Planning (DENT)
RT Airport planning (N)
Community planning (*)
Flood plain zoning (T)
Highway planning (T)
Land use (DENT)
Land use zoning (T)

Municipal engineering (T)
Neighborhoods (T)
Regional planning (NT)
Urban development (NT)
Urban sociology (T)
Urban transportation (NT)
Urbanization (T)
Zoning (T)

Urban relocation (T)
BT Relocation (DNT)
RT Regional planning (NT)
Urban renewal (T)

Urban renewal (T)
RT Blighted areas (T)
Central city (T)
Community development (T)
Urban areas (DET)
Urban development (NT)
Urban relocation (T)
Urbanization (T)

Urban sociology (T)
BT Sociology (DENT)
RT Quality of life (*)
Social change (T)
Rural sociology (T)

Urban transportation (NT)
BT Transportation (DNT)

Urbanization (T)
RT Community development (T)
Land use (DENT)
Urban development (NT)
Urban planning (DNT)
Urban renewal (T)

Utilization (DNT)
NT Waste heat utilization (*)
Waste utilization (N)
RT Materials recovery (DENT)
Reclamation (DNT)
Technology utilization (N)
Waste gas recovery (*)
Waste recycling (D)
Waste water reuse (*)

Vegetation (DNT)

Vegetation growth (N)
RT Plant growth (DET)

Vehicle noise (*)
BT Noise (Sound) (N)
Noise(Sound) (DT)
RT Highway transportation (T)
Motor vehicles (T)
Noise annoyance (*)
Noise pollution (DN)
Noise reduction (DNT)
Traffic noise (*)
Urban transportation (NT)

Vehicular traffic (T)

Vehicular traffic control (T)

Vibration damping (NT)
RT Noise reduction (DNT)

Vibration isolators (DNT)
RT Noise reduction (DNT)

Viruses (DENT)

Vortex separators (*)
BT Separators (DNT)

Warning systems (DNT)
RT Detectors (DNT)
Toxic agent alarms (DT)

Washout (E)
RT Acid rain (E)
Precipitation (Meteorology) (N)
Precipitation(Meteorology) (T)
Precipitation washout (*)

Waste disposal (DENT)
NT Liquid waste disposal (*)
Marine disposal (E)
Ocean waste disposal (*)
Radioactive waste disposal (E)
Solid waste disposal (*)
Underground disposal (E)
NOTE: NTIS uses this term only for solid waste disposal or for the disposal of concentrated liquids.

Waste gas recovery (*)
RT Activated carbon treatment (T)
Adsorption (DENT)
Air pollution control (*)
Amoco sulfur recovery process (E)
Beavon process (E)
Catalysts (DENT)
Catalytic chamber process (*)
Cat-ox process (E)
Claus process (E)
Magnesium oxide scrubbing (*)
Molten carbonate process (E)
Potassium formate process (*)
Reduction (Chemistry) (N)
Reduction(Chemistry) (T)
Regeneration (Engineering) (N)
Regeneration(Engineering) (T)
Stretford process (E)
Sulfox process (E)
Tyco process (E)
Wellman process (*)
Westvaco process (*)

Waste heat (E)
BT Wastes (DENT)
RT Air pollution (DENT)
Thermal effluents (E)
Thermal pollution (DEN)
Water pollution (DENT)

Waste heat utilization (*)
BT Waste utilization (N)
RT Thermal effluents (E)
Thermal pollution (DEN)
Waste heat (E)
Waste water reuse (*)

Waste management (DE)
NOTE: This is a very general term and is not used unless a report is very general and discusses many types of wastes.
Waste papers (T)
BT Paper (DE)
Papers (NT)
Solid wastes (DE)
RT Newsprint (T)
Recycled papers (*)
Waste processing (E)
NT Radioactive waste processing (ET)
RT Bailie process (E)
Biogas process (E)
Black Clawson system (E)
Fluidized bed refuse gasification (E)
Purox pyrolysis process (E)
Refuse derived fuels (E)
Solid waste disposal (*)
NOTE: NTIS uses this term only for solid waste processing.
Waste processing plants (E)
BT Industrial plants (DENT)
Solid waste disposal (*)
NT CPU-400 combustion plant (E)
RT Solid waste disposal (*)
NOTE: NTIS uses this term only for solid waste processing plants.
Waste recycling (D)
NT Glass recycling (*)
Metal recycling (*)
Plastics recycling (*)
Paper recycling (*)
Scrap recycling (*)
Tire recycling (*)
RT Materials recovery (DENT)
Reclamation (DNT)
Salvage (DT)
Secondary materials industry (*)
Solid waste disposal (*)
NOTE: Used by NTIS only to express the reuse of solid wastes.
Waste recycling centers (*)
RT Solid waste collection systems (*)
Solid waste disposal (*)
Waste transfer stations (*)
RT Solid waste collection systems (*)
Solid waste disposal (*)
NOTE: Only used when concerned with solid or concentrated liquid wastes.
Waste treatment (DT)
UF Solid waste treatment
RT Solid waste disposal (*)
Waste processing (E)
NOTE: NTIS uses this term only to cover the treatment of solid or concentrated liquid wastes.
Waste utilization (N)
NT Waste heat utilization (*)
RT Waste gas recovery (*)
Waste management (DE)
Waste recycling (D)
Waste water reuse (*)
NOTE: NTIS uses this as a general term to cover all types of wastes.
Waste water (DET)
RT Cooling water (T)
Effluents (DNT)
Industrial water (T)
Mine waters (T)
Sewage treatment effluents (*)
Water pollution (DENT)
Waste water reuse (*)
RT Water reclamation (DNT)
Utilization (DNT)
Waste heat utilization (*)
Waste water treatment - USE:
Sewage treatment (DT)
or
Water pollution control (*)
or
Industrial waste treatment (T)
Wastes (DENT)
Wastes(Industrial) (D)
RT Air pollution (DENT)
Industrial wastes (ENT)
Solid wastes (DE)
Water pollution (DENT)
Water (DENT)
NT Absorbed water (*)
Artesian water (T)
Brackish water (DT)
Capillary water (T)
Coastal water (N)
Coastal waters (E)
Connate water (ET)
Cooling water (T)
Distilled water (DT)
Feedwater (ET)
Fresh water (DET)
Ground water (DENT)
Heavy water (DENT)
Industrial water (T)
Irrigation water (*)
Mine waters (T)
Perched water (T)
Potable water (NT)
Rain water (E)
Salt water (DT)
Sea water (DNT)
Seawater (E)
Soil water (T)
Stagnant water (*)
Surface waters (DET)
Tidewater (DT)
Waste water (DET)

Water allocation(Applied) - USE:
Water distribution (DT)
Water allocation(Policy) (*)
RT Water distribution (DT)
Water analysis (DT)
BT Chemical analysis (DENT)
RT Water pollution detection (*)
Water chemistry (DET)
RT Limnology (DENT)
Sediment water interactions (*)
Self purification (*)
Water conservation (DT)
BT Conservation (DNT)
RT Agricultural engineering (T)
Ground water recharge (T)
Hydrology (DENT)
Runoff (DT)
Soil conservation (T)
Water reclamation (DNT)
Water consumption (NT)
BT Consumption (DNT)
RT Droughts (T)
Industrial water (T)
Irrigation (ENT)
Water costs (*)
BT Costs (DN)
RT Water rates (*)
Water demand (*)
Water distribution (DT)
Water erosion (DNT)
BT Erosion (DENT)
RT Soil erosion (DNT)
Stream erosion (T)
Water flow (DNT)
BT Liquid flow (ENT)
NT Stream flow (T)
RT Hydrodynamics (DENT)
Ocean currents (DNT)
Runoff (DT)
Water hardness (*)
Water hyacinth (D)
BT Aquatic plants (DT)
Plants (Botany) (N)
Plants(Botany) (T)
RT Eichhornia crassipes (*)
Water influx (T)
RT Fluid infiltration (T)
Ground water recharge (T)
Salt water intrusion (T)
Water influx (T)
Water law (T)
BT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Law of the sea (*)
RT Legislation (DET)
Water rights (ET)
Water management (N)
BT Management (DENT)
RT Environment management (N)
Resources management (N)
Water management(Applied) (*)
BT Management (DENT)
RT Selective withdrawal (*)
Water pollution (DENT)
BT Pollution (DENT)
NT Stream pollution (T)
RT Boundary Waters Treaty Between Canada and the United States (1901) (*)
Domestic wastes (*)
Federal Water Pollution Control Act Amendments of 1972 (*)
Industrial wastes (ENT)
River and Harbor Act of 1899 (*)
Safe Drinking Water Act (*)
Sewage treatment effluent (*)
Thermal pollution (DEN)
Wastes(Industrial) (D)
Water quality (DENT)
Water Utilization Treaty of 1944 Between Mexico and the United States (*)
Water pollution abatement (D)
NOTE: NTIS uses this term only when concerned with the prevention of pollution by changing the design or type of polluting source. Also used to cover policies or programs designed to limit or stop pollution.
Water pollution contingency plans (*)
Water pollution control (*)
RT Adsorption (DENT)
Aeration (DNT)
Aerobic processes (DT)
Biodeterioration (DT)
Biological industrial waste treatment (*)
Breakpoint chlorination (*)
Bubble separation (*)
Centrifugal separation (*)
Clarification (T)
Coagulation (DNT)
Coalescing (NT)
Combustion (DENT)
Composting (E)
Denitration (ET)
Denitrification (*)
Demineralizing (NT)
Desalting (T)
Dewatering (T)
Dispersing (DNT)
Desulfurization (DET)
Emulsification (ET)
Filtration (DENT)
Flocculating (NT)
Flotation (DENT)
Industrial waste treatment (T)
Ion exchanging (NT)
Ion exchange (DE)
Irradiation (DENT)

Microorganism control(Water) (T)
Neutralization (D)
Neutralizing (T)
Oxidation (DENT)
Precipitation (Chemistry) (N)
Precipitation(Chemistry) (T)
Separation (DNT)
Settling (NT)
Sewage treatment (DT)
Wet oxidation (*)
NOTE: NTIS uses this term only when discussing or presenting information on the techniques or processes for the control of pollutants as they are released by a source.

Water pollution control act '72 Amend - USE: Federal Water Pollution Control Act Amendments of 1972

Water pollution control equipment (D)
BT Pollution control equipment (E)
RT Air pollution control equipment (DT)

Water pollution detection (*)
NT Oil pollution detection (*)
RT Chemical analysis (DENT)
Water analysis (DT)
NOTE: NTIS uses this term to cover the techniques to detect or measure substances that have escaped into bodies of water. It is not used when a substance is still within the polluting source.

Water pollution economics (*)
BT Economics (DEN)

Water pollution effects(Animals) (*)

Water pollution effects(Humans) (*)
RT Blood diseases (DT)
Methemoglobinemia (T)
Toxic diseases (NT)

Water pollution effects(Materials) (*)
RT Air pollution effects(Materials) (*)
Chemical attack(Degradation) (D)
Degradation (DNT)
Deterioration (DNT)

Water pollution effects(Plants) (*)

Water pollution sampling (*)
RT Monitoring (DE)
NOTE: NTIS uses this term only to describe the techniques of monitoring pollution and includes site selection surveys.

Water pollution standards (*)
BT Standards (DENT)

Water pollution taxes(Charges) (*)
RT Sewer surcharges (*)
Tax surcharges (*)
Taxes (DET)

Water pricing policies (*)
RT Government policies (ET)
Policies (DNT)
Prices (ET)

Water quality (DENT)
RT Environmental quality (N)

Water quality data (*)
NOTE: NTIS uses this term only when a study gives actual pollutant concentration data for a specific area or region.

Water quality index (*)

Water quality management (*)
RT Safe Drinking Water Act (*)

Water rate structures (*)

Water rates (*)

Water reclamation (DNT)
BT Conservation (DNT)
Reclamation (DNT)
RT Desalting (*)
Ground water recharge (T)
Irrigation (ENT)
Sewage irrigation (*)
Waste water reuse (*)

Water requirements (E)

Water reservoirs (E)
BT Reservoirs (DNT)

Water resources (DENT)
RT Water Utilization Treaty of 1944 Between Mexico and the United States (*)
Water Resource Development Act of 1974-PL93-251

Water rights (ET)
RT Water law (T)

Water runoff (N)
BT Runoff (DT)
NT Storm water runoff (*)
Surface water runoff (T)
RT Agricultural runoff (*)
Drainage (DNT)
Floods (DENT)
Hydrology (DENT)
Surface drainage (T)
Urban hydrology (*)
Watersheds (DENT)

Water shortage (*)
RT Droughts (T)
Low flow (*)
Water conservation (DT)
Water demand (*)

Water softening (T)
BT Water treatment (DENT)
RT Chemical removal(Water treatment) (T)
Demineralizing (NT)
Feedwater treatment (T)

Water supply (T)

Water table (DT)

Water tables (N)

Water temperature (N)

Water treatment (DENT)
NT Chemical removal(Water treatment) (T)
Feedwater treatment (T)
Lime-soda ash process (T)

Microorganism control(Water) (T)
Water softening (T)
RT Activated carbon treatment (T)
Aeration (DNT)
Carbonation (T)
Chlorination (DENT)
Clarification (T)
Coagulation (DNT)
Deaeration (DT)
Demineralizing (NT)
Filtration (DENT)
Flotation (DENT)
Ion exchanging (NT)
pH control (T)
pH factor (DN)
pH value (E)
Sanitary engineering (DT)
Sedimentation (DET)
Settling (NT)
Water reclamation (DNT)
NOTE: NTIS uses this term only to cover the treating of water for drinking or industrial use. For treatment processes before water is to be released into the environment, Water pollution control or Sewage treatment is used.

Water treatment chemicals (T)

Water treatment devices (T)

Water Utilization Treaty of 1944 Between Mexico and the United States (*)
BT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)
Legislation (DET)
RT International relations (DNT)
Water pollution (DENT)
Water resources (DENT)

Water wells (DT)
BT Wells (ENT)
NT Artesian wells (T)

Waterfowl (N)
BT Birds (DENT)

Watershed management (*)

Watersheds (DENT)
UF Drainage basins (*)
NT River basins (NT)
RT Drainage (DNT)
Hydrology (DENT)
Runoff (DT)
Surface water runoff (T)

Weather forecasting (DNT)

Weather observations (T)

Weed control (DT)
NT Aquatic weed control (*)
RT Herbicides (DET)

Wellman process (*)
RT Air pollution control (*)
Waste gas recovery (*)
NOTE: In this process SO2 is reacted with Na2SO3 to yield NaHSO3.

Wellman-Lord process - USE:
Wellman process (*)

West gaeke analysis (*)
BT Chemical analysis (DENT)
RT Air pollution detection (*)

Westvaco process (*)
RT Activated carbon treatment (T)
Air pollution control (*)
Waste gas recovery (*)
NOTE: In this process SO2 is recovered as sulfur by use of an all dry fluidized bed using activated carbon.

Wet methods (*)
RT Dry methods (*)

Wet oxidation (*)
BT Oxidation (DENT)
RT Sewage treatment (DT)

Wetlands (N)
BT Land (NT)
RT Marshes (*)
Marshlands (N)
Salt marshes (*)
Swamps (DENT)

Whey (*)
RT Agricultural wastes (ET)
Dairy products (DT)
Food processing (DT)
Organic wastes (ET)

White liquors (T)
BT Cooking liquors(Pulping) (T)
RT Black liquors (T)
DEF: Alkaline pulping liquors.

Wilderness (DN)
RT Deserts (DENT)
Forests (DEN)
Land management (N)
Plains (NT)
Remote regions (N)
Rural areas (DENT)

Wilderness Act (*)
BT Law (Jurisprudence) (N)
Law(Jurisprudence) (DT)
Laws (EN)
Legislation (DET)

Wilderness areas (*)
UF Primitive areas
DEF: Extensive natural, wild, and undeveloped areas in which the natural environment has not been disturbed by commercial use.

Wildlife (DNT)
BT Animals (DENT)

Wind (Meteorology) (N)

Wind(Meteorology) (T)

Wood chips (*)
BT Chips (NT)
RT Pulpwood (T)

Solid wastes (DE)
Wood wastes (ET)
Wood processing industry (*)
Wood wastes (ET)
BT Solid wastes (DE)
RT Bark (T)
Chips (NT)
Sawdust (T)
Shavings (T)
Wood chips (*)
Wood flour (T)
Worms (DNT)
RT Annelida (DT)
X ray analysis (NT)
RT Chemical analysis (DENT)
X ray fluorescence (NT)
RT Chemical analysis (DENT)
Spectroscopic analysis (NT)
X ray radiation leakage (*)
BT Electromagnetic radiation hazards (*)
Hazards (DENT)
Radiation hazards (DENT)
RT Ionizing radiation (DNT)
Zinc industry (T)
BT Industries (DNT)
Metal industry (ET)
Zoning (T)
NT Land use zoning (T)
Zooplankton (DENT)
BT Plankton (DENT)
RT Phytoplankton (DET)

Chemical Terms

Abate (*)
BT Insecticides (DENT)
RT Aromatic compounds (DNT)
Phosphorothioates (D)
Phosphorothioic acid/thio-diphenylene-bis(O-O-(dimethyl-ester)-thio) (*)
Phosphorus organic compounds (T)
Sulfur organic compounds (T)
Acetic acid (DNT)
Acetic acid/(butoxyethyl-ester)-dichlorophenoxy (*)
BT Chlorine aromatic compounds (T)
Chlorine organic compounds (T)
RT DBE 2-4 herbicide (*)
Herbicides (DET)
Acetic acid/(chloro-methyl)phenoxy (*)
BT Acetic acid (DNT)
Acetic acids (*)
Chlorine organic compounds (T)
RT Herbicides (DET)
MCPA herbicide (*)
Acetic acid/dichlorophenoxy (*)
BT Acetic acid (DNT)
Acetic acids (*)
Chlorine aromatic compounds (T)
Chlorine organic compounds (T)
RT D 2-4 herbicide (*)
Herbicides (DET)
Acetic acid/nitrilo-tri (*)
UF Nitrilotri-acetic acid
BT Acetic acid (DNT)
Acetic acids (*)
Amino acids (DENT)
Carboxylic acids (DENT)
RT NTA (E)
Acetic acid/trichlorophenoxy (*)
BT Acetic acid (DNT)
Acetic acids (*)
Chlorine aromatic compounds (T)
Chlorine organic compounds (T)
RT T 2-4-5 herbicide (*)
Herbicides (DET)
Acetic acids (*)
BT Carboxylic acids (DENT)
Organic acids (DET)
Acetone (ENT)
UF Dimethyl ketone
Propanone
BT Ketones (DENT)
Acetones (D)
BT Ketones (DENT)
Acetylene (DENT)
BT Alkyne compounds (T)
Alkyne hydrocarbons (T)
Alkynes (DEN)
Acraldehyde - USE:
Acroleins (DT)
Acrolein (E)
RT Acroleins (DT)
Acroleins (DT)
UF Acraldelyde
Acrylaldehyde
BT Acyclic aldehydes (T)
Aldehydes (DENT)
RT Acrolein (E)
Acrylaldehyde - USE:
Acroleins (DT)
Acrylamide (E)
BT Amides (DENT)
RT Acrylamide copolymers (T)
Polyacrylamides (DT)
Acrylates (DENT)
BT Aliphatic acid esters (T)
Carboxylic acid esters (ET)
Esters (DENT)
RT Acrylic acid esters (E)
Acrylonitrile (E)
RT Acrylonitriles (NT)
Acrylonitriles (NT)
UF Vinyl cyanide
BT Nitriles (DENT)
RT Acrylonitrile (E)
Adipic acid (ET)
BT Carboxylic acids (DENT)
Alcohols (DENT)
NT Methanol (E)
Methanols (*)
Methyl alcohol (T)
Methyl alcohols (N)
Aldehydes (DENT)
NT Acroleins (DT)
Formaldehyde (DENT)
RT Oxidizers (DNT)
Photochemical oxidants (E)
Aldicarb (*)
BT Pesticides (DENT)
RT Ketones (DENT)
Propanal/methyl-(methylthio) (*)
Sulfur organic compounds (T)
Aldrin (ET)
BT Insecticides (DENT)
RT Chlorine aromatic compounds (T)
Chlorine organic compounds (T)
Dimethanonaphthalenes (*)
Aliphatic acid esters (T)
BT Carboxylic acid esters (ET)
Esters (DENT)
NT Acrylates (DENT)
Acrylic acid esters (E)
RT Fatty acid esters (D)
Aliphatic acids (DT)
BT Organic acids (DET)
RT Carboxylic acids (DENT)
Aliphatic compounds (DNT)
BT Organic compounds (DENT)
NT Chlorinated aliphatic hydrocarbons (E)

Chlorine aliphatic compounds (T)
Fluorinated aliphatic hydrocarbons (E)
Fluorine aliphatic compounds (T)
Halogenated aliphatic hydrocarbons (E)
Iodinated aliphatic hydrocarbons (E)
Iodine aliphatic compounds (T)

Aliphatic hydrocarbons (T)
BT Aliphatic compounds (DNT)
Hydrocarbons (DENT)
NT Aliphatic polycyclic hydrocarbons (T)
Brominated aliphatic hydrocarbons (E)
Chlorinated aliphatic hydrocarbons (E)
Fluorinated aliphatic hydrocarbons (E)
Halogenated aliphatic hydrocarbons (E)
Iodinated aliphatic hydrocarbons (E)
Methane (DENT)
DEF Hydrocarbons with no benzene rings.

Aliphatic polycyclic hydrocarbons (T)
BT Aliphatic hydrocarbons (T)
Hydrocarbons (DENT)
RT Aromatic polycyclic hydrocarbons (DT)

Aliphatic polyene hydrocarbons (T)
BT Alkene compounds (T)
Alkene hydrocarbons (T)
Alkenes (DEN)
NT Butadiene (EN)
Butadienes (DT)

Alkanes (DENT)
UF Paraffins
BT Aliphatic hydrocarbons (T)
Hydrocarbons (DENT)
NT Bromoalkanes (T)
Chloroalkanes (T)
Cycloalkane hydrocarbons (T)
Cycloalkanes (DE)
Fluoroalkanes (T)
Haloalkanes (T)
Iodoalkanes (T)
Methane (DENT)

Alkene compounds (T)
UF Olefins
NT Aliphatic polyene hydrocarbons (T)
Alkene hydrocarbons (T)
Butadiene (EN)
Butadienes (DT)
Cycloalkene hydrocarbons (T)
Cycloalkenes (DE)
Cyclohexene (T)
Cyclohexenes (D)
Cyclohexene dicarboximide/N-((trichloro-methyl)thio) (*)
Ethylene (DENT)
Ethylenes (D)
Ethylene/trichloro (*)
Propylene (NT)
Tetrachloroethylene (T)
RT Alkenes (DEN)
Captan (*)
Unsaturated organic compounds (T)

Alkene hydrocarbons (T)
UF Olefins
BT Alkene compounds (T)
Hydrocarbons (DENT)
NT Aliphatic polyene hydrocarbons (T)
Cycloalkene hydrocarbons (T)
Cyclohexene (T)
Cyclohexenes (D)
Ethylene (DENT)
Ethylenes (D)
Propylene (NT)
RT Alkenes (DEN)
Unsaturated hydrocarbons (DT)

Alkenes (DEN)
UF Olefins
NT See under Alkene compounds
RT Alkene compounds (T)
Alkene hydrocarbons (T)

Alkyne compounds (T)
NT Acetylene (DENT)
Alkyne hydrocarbons (T)
Cycloalkyne hydrocarbons (T)
RT Alkynes (DEN)
Unsaturated organic compounds (T)

Alkyne hydrocarbons (T)
BT Aliphatic hydrocarbons (T)
Alkyne compounds (T)
Alkynes (DEN)
Hydrocarbons (DENT)
Unsaturated hydrocarbons (DT)
NT Acetylene (DENT)
Cycloalkyne hydrocarbons (T)

Alkynes (DEN)
NT Acetylene (DENT)

Aluminum (DENT)
BT Metals (DENT)
RT Aluminum isotopes (ENT)

Amiben (*)
BT Herbicides (DET)
RT Amines (DENT)
Aromatic compounds (DNT)
Benzoic acid (NE)
Benzoic acids (DT)
Benzoic acid/amino-dichloro (*)
Carboxylic acids (DENT)
Chlorine aromatic compounds (T)
Chlorine organic compounds (T)
Organic acids (DET)

Amides (DENT)
NT Acrylamide (E)
Uracil/bromo-butyl-methyl (*)
RT Bromacil (*)

Amine salts (T)

Amines (DENT)
NT Amiben (*)
Amidines (ET)
Aniline (EN)

Anilines (DT)
Atrazine (*)
Benzidines (*)
Benzoic acid/amino-dichloro (*)
Butylamines (*)
Chloramines (E)
Diamines (NT)
Heterocyclic amines (T)
Nitramines (DT)
Phenylamines (D)
Primary amines (T)
Secondary amines (T)
Tertiary amines (T)
Toluidines (DET)
Triazine/chloro-ethylamino-isopropylamino (*)

Aminobenzene - USE:
Anilines (DT)

Ammonia (DENT)
BT Nitrogen hydrides (EN)
Nitrogen inorganic compounds (T)
RT Ammonium compounds (DENT)
Liquid ammonia (DNT)

Anhydrides (ENT)
NT Maleic anhydride (ET)

Aniline (EN)
UF Aminobenzene
Phenylamine
BT Amines (DENT)
Anilines (DT)
Phenylamines (D)

Anilines (DT)
BT Amines (DENT)
Aromatic compounds (DNT)
Aromatics (E)
Arylamines (T)
NT Sulfanilic acid (ET)
Toluidines (DET)
RT Phenylamines (D)

Anthracene (ENT)
BT Anthracene compounds (T)
Aromatic polycyclic hydrocarbons (DT)
Hydrocarbons (DENT)
Polycyclic aromatic hydrocarbons (E)
RT Benzanthracene (E)
Benzanthracenes (T)

Anthracene compounds (T)
NT Anthracene (ENT)
Benzanthracenes (T)
RT Acridines (DET)
Aromatic polycyclic hydrocarbons (DT)
Polycyclic aromatic hydrocarbons (E)

Anthracenes (D)
BT Aromatic polycyclic hydrocarbons (DT)
Hydrocarbons (DENT)
Polycyclic aromatic hydrocarbons (E)

Antimony (DENT)
BT Metals (DENT)
RT Antimony isotopes (ENT)

Argon (DENT)
BT Rare gases (DENT)
RT Argon isotopes (ENT)
Argon 21 (*)
Argon 37 (E)

Aromatic compounds (DNT)
NT Anilines (DT)
Aromatic hydrocarbons (DT)
Benzene/nitro-pentachloro (*)
Benzoic acid/amino-dichloro (*)
Biphenyls (*)
Bromine aromatic compounds (T)
Chlorinated aromatic hydrocarbons (E)
Chlorine aromatic compounds (T)
Chloroaromatics (N)
DDT (DET)
Dichlorodiphenyltrichloroethane (N)
Dinitrophenol (E)
Diphenyl compounds (N)
DNT (D)
Ethane/bis(chlorophenyl)-dichloro (*)
Ethane/bis(methoxyphenyl)-trichloro (*)
Ethylene/bis(chlorophenyl)-dichloro (*)
Fluorinated aromatic hydrocarbons (E)
Fluorine aromatic compounds (T)
Halogenated aromatic hydrocarbons (E)
Hydroquinone (T)
Iodinated aromatic hydrocarbons (E)
Iodine aromatic compounds (T)
Naphthalene (ENT)
Naphthalenes (D)
Nitrophenols (DT)
Phenol/chloro (*)
Phenylamines (D)
Phosphorothioic acid/thio-diphenylene-bis(O-O-(dimethyl-ester)-thio) (*)
Toluidines (DET)
Xylenes (DET)
RT Abate (*)
Amiben (*)
Aromatics (E)
Ciodrin (*)
DDD insecticide (*)
DDE insecticide (*)
Endrin (NT)
Methoxychlor (*)
PCNB fungicide (*)

Aromatic hydrocarbons (DT)
BT Aromatic compounds (DNT)
Hydrocarbons (DENT)
NT Benzene (DENT)
Chlorinated aromatic hydrocarbons (E)
Fluorinated aromatic hydrocarbons (E)
Halogenated aromatic hydrocarbons (E)
Indene (EN)
Iodinated aromatic hydrocarbons (E)
Nitrobenzene (E)
Nitrobenzenes (DNT)

Nitrophenol (E)
Nitrophenols (DT)
TNT (DE)
Trinitrotoluene (NT)
RT Aromatics (E)

Aromatic polycyclic hydrocarbons (DT)
UF PAH
PNAs
Polynuclear aromatic hydrocarbons
BT Aromatic hydrocarbons (DT)
Aromatics (E)
Hydrocarbons (DENT)
NT Anthracene (ENT)
Anthracenes (D)
Benzanthracene (E)
Benzanthracenes (T)
Benzopyrene (E)
Benzopyrenes (*)
Indene (EN)
Indenes (*)
Naphthalene (ENT)
Naphthalenes (D)
Phenanthrene (ENT)
Phenanthrenes (D)
Pyrenes (NT)
RT Aliphatic polycyclic hydrocarbons (T)
Polycyclic aromatic hydrocarbons (E)
DEF Hydrocarbons containing two or more fused rings, at least one of which is aromatic.

Aromatics (E)
NT See under Aromatic compounds
RT Aromatic compounds (DNT)
Aromatic hydrocarbons (DT)

Arsenic (DENT)

Arsenic compounds (DEN)
NT Arsenic inorganic compounds (T)
Arsenic organic compounds (T)
Organic arsenic compounds (E)

Arsenic inorganic compounds (T)
BT Arsenic compounds (DEN)
NT Arsenates (DENT)
Arsenides (DENT)

Arsenic organic acids (T)
BT Arsenic organic compounds (T)
Organic acids (DET)
NT Arsonic acid (D)
Arsonic acids (E)
Methane arsonic acids (*)
RT DSMA herbicide (*)
MSMA herbicide (*)

Arsenic organic compounds (T)
BT Arsenic compounds (DEN)
NT Arsenic organic acids (T)
Arsine (T)
Arsines (DT)
Arsonic acid (D)
Arsonic acids (E)
Methane arsonic acids (*)
RT DSMA herbicide (*)
MSMA herbicide (*)
Organic arsenic compounds (E)

Asbestos (DENT)
UF Crocidolite
BT Silicate minerals (T)
RT Refractories (ENT)

Asphalt (DN)
BT Bitumens (DENT)
Organic compounds (DENT)

Asphalts (ET)
BT Bitumens (DENT)
Organic compounds (DENT)
NT Asphaltenes (E)
Natural asphalts (T)
RT Natural bitumes (T)
Tar (DE)
Tars (NT)

Atrazine (*)
BT Herbicide (DET)
RT Amines (DENT)
Chlorine organic compounds (T)
Nitrogen heterocyclic compounds (DT)
Triazines (*)
Triazine/chloro-ethylamino-isopropylamino (*)

Baygon insecticide (*)
BT Insecticides (DENT)
RT Carbamates (DET)
Carbamic acid/(isopropoxyphenyl-ester)-methyl (*)

Benzanthracene (E)
BT Aromatic polycyclic hydrocarbons (DT)
Hydrocarbons (DENT)
Polycyclic aromatic hydrocarbons (E)

Benzanthracenes (T)
BT Anthracene compounds (T)
Aromatic polycyclic hydrocarbons (DT)
Hydrocarbons (DENT)
Polycyclic aromatic hydrocarbons (E)

Benzene (DENT)
BT Aromatic hydrocarbons (DT)
Aromatics (E)

Benzene/chloro-nitro (*)
UF Nitrochlorobenzene
BT Chlorine aromatic compounds (T)
Chlorine organic compounds (T)
Nitro compounds (ENT)
Nitrobenzene (E)
Nitrobenzenes (DNT)
RT Chlorobenzene (D)
Chlorobenzenes (NT)

Benzene/dinitro - USE:
DNT (D)

Benzene/hexachloro (*)
BT Chlorine aromatic compounds (T)
Chlorine organic compounds (T)
Chlorobenzenes (DENT)

Benzene/nitro-pentachloro (*)
BT Aromatic compounds (DNT)

Chlorine aromatic compounds (T)
Chlorine organic compounds (T)
Nitro compounds (ENT)
Nitrobenzene (E)
Nitrobenzenes (DNT)
Nitrogen organic compounds (T)
RT Fungicides (DENT)
PCNB fungicide (*)

Benzene/nitro - USE:
Nitrobenzene (E)
or
Nitrobenzenes (DNT)

Benzidines (*)
BT Amines (DENT)
NT Benzidine (E)

Benzoic acid/amino-dichloro (*)
BT Amines (DENT)
Aromatic compounds (DNT)
Benzoic acid (EN)
Benzoic acids (DT)
Carboxylic acids (DENT)
Chlorine aromatic compounds (T)
Chlorine organic compounds (T)
Organic acids (DET)
RT Abate (*)
Herbicides (DET)

Benzopyrene (E)
BT Aromatic polycyclic hydrocarbons (DT)
Polycyclic aromatic hydrocarbons (E)
Pyrenes (NT)
RT Benzopyrenes (*)

Benzopyrenes (*)
BT Aromatic polycyclic hydrocarbons (DT)
Polycyclic aromatic hydrocarbons (E)
Pyrenes (NT)
RT Benzopyrene (E)

Benzothiazole thiol (*)
UF Mercaptobenzothiazole
BT Benzothiazoles (ET)
Sulfur organic compounds (T)

Benzothiazoles (ET)
BT Organic sulfur compounds (DEN)
Sulfur organic compounds (T)

Beryllium (DNT)
BT Alkaline earth metals (DENT)
Metals (DENT)
Trace elements (DENT)
RT Beryllium isotopes (ENT)

Biphenyl/bromo (*)
BT Biphenyls (*)
Bromine organic compounds (T)
Diphenyl compounds (N)
Organic bromine compounds (E)
RT Biphenyl (T)
Polybrominated biphenyls (*)

Biphenyl/chloro (*)
BT Biphenyls (*)
Chlorine organic compounds (T)
Diphenyl compounds (N)
Organic chlorine compounds (E)
RT Biphenyl (T)
Polychlorinated biphenyls (*)

Biphenyls (*)
BT Aromatic compounds (DNT)
Aromatics (E)
NT Biphenyl (DT)
RT Diphenyl compounds (N)

Bipyridinium/dimethyl (*)
BT Nitrogen heterocyclic compounds (DT)
Pyridinium compounds (E)
Quaternary ammonium salts (T)
RT Herbicides (DET)
Paraquat herbicide (*)

Bitumens (DENT)
BT Organic compounds (DENT)
NT Natural bitumens (T)
RT Asphalts (ET)
Tar (DE)
Tars (NT)

Borate/tetrafluro - USE:
Fluoborates (D)

Borates (DENT)
NT Borax (ET)
Fluoborates (D)

Borax (ET)
BT Borate minerals (T)
Borates (DENT)
Boron inorganic compounds (T)

Boric acid (DE)

Boric acids (NT)
BT Boron inorganic compounds (T)
Inorganic acids (DET)

Boron compounds (DEN)
NT Boron inorganic compounds (T)
Boron organic compounds (T)
Organic boron compounds (EN)

Boron inorganic compounds (T)
NT Borates (DENT)
Borax (ET)
Boric acid (DE)
Boric acids (NT)
Boron oxides (DENT)
Borates (DENT)
Fluoborates (D)

Boron organic compounds (T)
BT Boron compounds (DEN)
NT Carborane (N)
Carboranes (DT)
RT Organic boron compounds (EN)

Boron oxides (DENT)
UF Boric anhydride
Boric oxides
BT Boron inorganic compounds (T)

Bromacil (*)
UF Isocil
BT Herbicides (DET)

RT Amides (DENT)
Bromine organic compounds (T)
Nitrogen heterocyclic compounds (DT)
Uracils (DET)
Uracil/bromo-butyl-methyl (*)

Bromides (DENT)
BT Halides (DENT)

Brominated alicyclic hydrocarbons (E)
BT Bromine compounds (DEN)
Bromine organic compounds (T)
Halogen organic compounds (T)
Halogenated alicyclic hydrocarbons (E)
Hydrocarbons (DENT)
Organic bromine compounds (E)

Brominated aliphatic hydrocarbons (E)
BT Aliphatic hydrocarbons (T)
Bromine aliphatic compounds (T)
Bromohydrocarbons (T)
Halogen organic compounds (T)
Halogenated aliphatic hydrocarbons (E)
Hydrocarbons (DENT)

Brominated aromatic hydrocarbons (E)
BT Bromine aromatic compounds (T)
Bromine compounds (DEN)
Bromine organic compounds (T)
Halogen organic compounds (T)
Halogenated aromatic hydrocarbons (E)
Organic bromine compounds (E)

Bromine aliphatic compounds (T)
BT Bromine compounds (DEN)
Bromine organic compounds (T)
Halogen organic compounds (T)
Organic bromine compounds (E)
NT Brominated aliphatic hydrocarbons (E)
Bromoalkanes (T)
RT Bromohydrocarbons (T)

Bromine aromatic compounds (T)
BT Aromatic compounds (DNT)
Aromatics (E)
Bromine compounds (DEN)
Bromine organic compounds (T)
Halogen organic compounds (T)
Organic bromine compounds (E)
NT Biphenyl/chloro (*)
Bromine aromatic hydrocarbons (E)

Bromine compounds (DEN)
BT Halogen compounds (DEN)
NT Bromine inorganic compounds (T)
Bromine organic compounds (T)
Organic bromine compounds (E)

Bromine inorganic compounds (T)
BT Bromine compounds (DEN)
NT Bromates (ENT)
Bromides (DENT)
Dibromides (N)
Hydrogen bromide (T)

Bromine organic compounds (T)
NT Biphenyl/bromo (*)
Brominated alicyclic hydrocarbons (E)
Brominated aliphatic hydrocarbons (E)
Brominated aromatic compounds (T)
Bromine aliphatic compounds (T)
Bromine aromatic compounds (T)
Bromoalkanes (T)
Bromohydrocarbons (T)
Halogen organic compounds (T)
Methane/bromo-chloro (*)
Phosphoric acid/((dibromo-dichloro)ethyl-ester)-(dimethyl-ester) (*)
Polybrominated biphenyls (*)
Uracil/bromo-butyl-methyl (*)
RT Bromacil (*)
Naled (*)
Organic bromine compounds (E)

Bromoalkanes (T)
BT Alkanes (DENT)
Brominated aliphatic hydrocarbons (E)
Bromine aliphatic compounds (T)
Bromohydrocarbons (T)
Haloalkanes (T)
Halogen organic compounds (T)
Hydrocarbons (DENT)

Bromochloromethane - USE:
Methane/bromo-chloro (*)

Bromohydrocarbons (T)
BT Bromine compounds (DEN)
Bromine organic compounds (T)
Halogen organic compounds (T)
Halohydrocarbons (T)
Hydrocarbons (DENT)
Organic bromine compounds (E)
NT Brominated aliphatic hydrocarbons (E)
Bromoalkanes (T)
RT Bromine aliphatic compounds (T)

Butadiene (EN)
BT Alkene compounds (T)
Alkenes (DEN)
Butadienes (DT)

Butadienes (DT)
BT Alkene compounds (T)
Alkenes (DEN)
NT Butadiene (EN)

Butylamines (*)
BT Amines (DENT)

Cadmium (DENT)
BT Heavy metals (D)
Metals (DENT)

Captan (*)
BT Fungicides (DENT)
RT Alkene compounds (T)
Chlorine aliphatic compounds (T)
Chlorine organic compounds (T)
Cycloalkene compounds (T)
Cyclohexene dicarboximide/N-((trichloromethyl) thio) (*)
Imides (DENT)

Sulfur organic compounds (T)

Carbamates (DET)
BT Carboxylic acid esters (ET)
Esters (DENT)
NT Carbamic acid/((dihydro-dimethyl)benzofuranyl ester)-methyl (*)
Carbamic acid/dithio-methyl-(sodium-salt) (*)
Carbamic acid(isopropoxyphenyl-ester)-methyl (*)
Carbamic acid/methyl-ester) (*)
Carbamic acid/methyl-(naphthyl-ester) (*)
RT Baygon insecticide (*)
Carbamates (Tradename) (N)
Carbamic acid (D)
Carbamic acid esters (E)
Carbaryl (*)
Carbofuran (*)
Carboxylic acid esters (ET)
Metham pesticide (*)

Carbamates (Tradename) (N)

Carbamic acid (D)
BT Carbamic acids (*)
Organic acids (DET)
RT Carbamates (DET)

Carbamic acid esters (E)
BT Carboxylic acid esters (ET)
Esters (DENT)
NT See under Carbamates
RT Carbamates (DET)
Carbamates (Tradename) (N)

Carbamic acid/((dihydro-dimethyl)benzofuranyl-ester)-methyl (*)
BT Carbamates (DET)
RT Pesticides (DENT)
Carbofuran (*)

Carbamic acid/(isopropoxyphenyl-ester)-methyl (*)
BT Carbamates (DET)
RT Baygon insecticide (*)
Insecticides (DENT)

Carbamic acid/(methyl-ester) (*)
BT Carbamates (DET)
RT Insecticides (DENT)

Carbamic acid/dithio-methyl-(sodium-salt) (*)
BT Carbamates (DET)
Sulfur organic compounds (T)
Thiocarbamates (T)
RT Metham pesticide (*)
Pesticides (DENT)

Carbamic acid/ethylene-bis(dithio) (*)
UF EBDC fungicide
BT Carbamic acid (D)
Carbamic acids (*)
Dithiocarbamic acids (*)
Sulfur organic compounds (T)
RT Fungicides (DENT)

Carbamic acid/methyl-(naphthyl-ester) (*)
BT Carbamates (DET)
Naphthalene compounds (T)
RT Carbaryl (*)
Insecticides (DENT)

Carbamic acids (*)
BT Organic acids (DET)
NT Carbamic acid (D)
Carbamic acid/ethylene-bis(dithio) (*)
RT Carbamates (DET)

Carbaryl (*)
UF Sevin
BT Insecticides (DENT)
RT Carbamates (DET)
Carbamic acid/methyl-(naphthyl-ester) (*)

Carbofuran (*)
BT Insecticides (DENT)
RT Carbamates (DET)
Carbamic acid/((dihydro-dimethyl)-benzofuranyl-ester)-methyl (*)

Carbon disulfide (DNT)
BT Organic sulfides (T)
Organic sulfur compounds (DEN)
Sulfur organic compounds (T)

Carbon monoxide (DENT)
BT Carbon compounds (DENT)
Oxides (DENT)

Carborane (N)
BT Boron organic compounds (T)
Carboranes (DT)

Carboranes (DT)
BT Boron organic compounds (T)
NT Carborane (N)

Carboxylates (N)
BT Esters (DENT)
RT Carboxylic acid esters (ET)

Carboxylic acid esters (ET)
BT Esters (DENT)
NT Acrylates (DENT)
Acrylic acid esters (E)
Aliphatic acid esters (T)
Carbamic acid esters (E)
Fatty acid esters (D)
RT Carboxylates (N)

Carboxylic acids (DENT)
BT Organic acids (DET)
NT Acetic acids (*)
Acetic acid/nitrilo-tri (*)
Adipic acid (ET)
Benzoic acid/amino-dichloro (*)
RT Aliphatic acids (DT)
Amiben (*)

Cellulose nitrate (NT)
BT Nitrates (DEN)
Organic nitrates (NT)
RT Chemical explosives (E)
Explosives (DENT)
Nitrocellulose (DE)

Cesium (DENT)
BT Metals (DENT)
RT Cesium isotopes (ENT)

Cesium isotopes (ENT)

BT Isotopes (ENT)
Rare earth isotopes (E)
NT Cesium 134 (ET)
Cesium 137 (ENT)

Chloramines (E)
BT Amines (DENT)
Chlorine organic compounds (T)

Chlordan (T)
UF Chlordane
BT Insecticides (DENT)
RT Chlorine organic compounds (T)

Chlordane - USE:
Chlordan (T)

Chlorides (DENT)
BT Chlorine inorganic compounds (T)
Halides (DENT)

Chlorinated alicyclic hydrocarbons (E)
BT Chlorinated hydrocarbons (D)
Chlorine organic compounds (T)
Halogen organic compounds (T)
Hydrocarbons (DENT)
Organic chlorine compounds (E)

Chlorinated aliphatic hydrocarbons (E)
BT Aliphatic compounds (DNT)
Aliphatic hydrocarbons (T)
Chlorinated hydrocarbons (D)
Chlorine organic compounds (T)
Halogen organic compounds (T)
Halogenated aliphatic hydrocarbons (E)
Hydrocarbons (DENT)
Organic chlorine compounds (E)

Chlorinated aromatic hydrocarbons (E)
BT Aromatic compounds (DNT)
Aromatic hydrocarbons (DT)
Aromatics (E)
Chlorinated hydrocarbons (D)
Chlorine aromatic compounds (T)
Chlorine organic compounds (T)
Chloroaromatics (N)
Chlorohydrocarbons (DT)
Halogen organic compounds (T)
Halogenated aromatic hydrocarbons (E)
Hydrocarbons (DENT)
Organic chlorine compounds (E)

Chlorinated hydrocarbons (D)
BT Chlorine organic compounds (T)
Halogen organic compounds (T)
Hydrocarbons (DENT)
Organic chlorine compounds (E)
NT Chlorinated alicyclic hydrocarbons (E)
Chlorinated aliphatic hydrocarbons (E)
Chlorinated aromatic hydrocarbons (E)
Chloroalkanes (T)
RT Chlorohydrocarbons (DT)

Chlorine (DENT)
BT Halogens (DENT)

Chlorine aliphatic compounds (T)
BT Aliphatic compounds (DNT)
Chlorine organic compounds (T)
Halogen organic compounds (T)
Organic chlorine compounds (E)

Chlorine aromatic compounds (T)
BT Aromatic compounds (DNT)
Aromatics (E)
Chlorine organic compounds (T)
Halogen organic compounds (T)
Organic chlorine compounds (E)
NT Chlorinated aromatic hydrocarbons (E)
RT Chloroaromatics (N)

Chlorine compounds (DEN)
BT Halogen compounds (DEN)
NT Chlorine inorganic compounds (T)
Chlorine organic compounds (T)
Organic chlorine compounds (E)

Chlorine inorganic compounds (T)
BT Chlorine compounds (DEN)
Halogen inorganic compounds (T)
NT Chlorides (DENT)
Hydrochloric acid (DENT)
Hydrogen chloride (DT)
Hydrogen chlorides (N)

Chlorine organic compounds (T)
BT Chlorine compounds (DEN)
Chlorine inorganic compounds (T)
Halogen organic compounds (T)
Organic halogen compounds (E)
NT Acetic acid/(butoxyethyl-ester)-dichloro-phenoxy (*)
Acetic acid(chloro-methyl)phenoxy (*)
Acetic acid/dichlorophenoxy (*)
Acetic acid/trichlorophenoxy (*)
Benzene/chloro-nitro (*)
Benzene/hexachloro (*)
Benzene/nitro-pentachloro (*)
Benzoic acid/amino-dichloro (*)
Biphenyl/chloro (*)
Chloramines (E)
Chlorinated alicyclic hydrocarbons (E)
Chlorinated aliphatic hydrocarbons (E)
Chlorinated aromatic hydrocarbons (E)
Chlorinated hydrocarbons (D)
Chlorine aliphatic compounds (T)
Chlorine aromatic compounds (T)
Chloroalkanes (T)
Chloroaromatics (N)
Chlorobenzene (D)
Chlorobenzenes (NT)
Chloroethanes (DT)
Chloroethylene (N)
Chlorohydrocarbons (DT)
Chloromethanes (DT)
Cyclohexane/hexachloro (*)
Cyclohexene dicarboximide/N-((trichloro-methyl)thio) (*)
DDT (DET)
Dichlorodiphenyltrichloroethane (N)

Dioxin/tetrachloro-dibenzo (*)
Ethane/bis(chlorophenyl)-dichloro (*)
Ethane/bis(methoxyphenyl)-trichloro (*)
Ethane/dichloro (*)
Ethane/dichloro-nitro (*)
Ethane/trichloro (*)
Ethane/trichloro-trifluoro (*)
Ethylene/bis(chlorophenyl)-dichloro (*)
Ethylene/trichloro (*)
Kepone (*)
Mercury/chloro-methyl (*)
Methane/chloro-trifluoro (*)
Methane/bromo-chloro (*)
Methanoindene/heptachloro-tetrahydro (*)
Phenol/chloro (*)
Phosphoric acid/((dibromo-dichloro)ethyl-ester)-(dimethyl-ester) (*)
Phosphoric acid/(dichlorovinyl-ester)-(dimethyl-ester) (*)
Polychlorinated biphenyls (*)
Polyvinyl chloride (DNT)
PVC (E)
Tetrachloroethylene (T)
Triazine/chloro-ethylamino-isopropylamino (*)
Trichloroethanes (D)
Vinyl chloride (T)
RT Aldrin (ET)
Amiben (*)
Atrazine (*)
Captan (*)
Chlordan (T)
D 2-4 herbicide (*)
DBE 2-4 herbicide (*)
DDD insecticide (*)
DDE insecticide (*)
DDVP insecticide (*)
Dieldrin (DENT)
Endosulfan (*)
Endrin (NT)
Heptachlor (T)
Kepone (*)
Lindane (*)
MCPA herbicide (*)
Mirex (*)
Naled (*)
Orange herbicide (*)
Organic chlorine compounds (E)
PCNB fungicide (*)
T 2-4-5 herbicide (*)
Toxaphene (*)

Chloroalkanes (T)
BT Alkanes (DENT)
Chlorinated hydrocarbons (D)
Chlorine organic compounds (T)
Chlorohydrocarbons (DT)
Halogen organic compounds (T)
Hydrocarbons (DENT)
Organic chlorine compounds (E)

Chloroaromatics (N)
BT Aromatic compounds (DNT)
Aromatics (E)
Chlorine organic compounds (T)
Halogen organic compounds (T)
Organic chlorine compounds (E)
NT Chlorinated aromatic hydrocarbons (E)
RT Chlorine aromatic compounds (T)

Chlorobenzene (D)
BT Chlorine organic compounds (T)

Chlorobenzenes (NT)
BT Chlorine organic compounds (T)

Chloroethanes (DT)
BT Chlorine organic compounds (T)

Chloroethylene (N)
BT Chlorine organic compounds (T)

Chlorohydrocarbons (DT)
BT Chlorine organic compounds (T)
Halogen organic compounds (T)
Hydrocarbons (DENT)
Organic chlorine compounds (T)
NT Chlorinated alicyclic hydrocarbons (E)
Chlorinated aliphatic hydrocarbons (E)
Chlorinated aromatic hydrocarbons (E)
Chloroalkanes (T)
RT Chlorinated hydrocarbons (D)

Chloromethanes (DT)
UF Dichloromethane
BT Chlorine aliphatic compounds (T)
Chlorine organic compounds (T)

Chloromethyl mercury - USE:
Mercury/chloro-methyl (*)

Chloronitrobenzene - USE:
Benzene/chloro-nitro (*)

Cholinesterase inhibitors (DT)
BT Enzyme inhibitors (DET)
RT Organic phosphorus compounds (DEN)
RT Phosphorus organic compounds (T)

Chromium (DENT)
BT Heavy metals (D)
Metals (DENT)
Transition metals (DNT)
RT Chromium isotopes (ENT)

Chromium isotopes (ENT)

Chrysotile - USE:
Serpentine (ENT)

Ciodrin (*)
BT Insecticides (DENT)
RT Aromatic compounds (DNT)
Crotonates (T)
Esters (DENT)
Organic phosphates (T)
Phosphorus organic compounds (T)

Cobalt (DENT)
BT Heavy metals (D)
Metals (DENT)
Transition metals (DNT)

Copper (DENT)

BT Heavy metals (D)
Metals (DENT)

Crocidolite - USE:
Asbestos (DENT)

Cyanides (DENT)
BT Nitrogen inorganic compounds (T)
NT Hydrogen cyanide (DT)
Iron cyanides (NT)
Potassium cyanides (T)
Sodium cyanide (T)
Sodium cyanides (*)
RT Nitriles (DENT)
Cyanates (DEN)
Cyano compounds (N)
Hydrocyanic acid (EN)

Cyclic hydrocarbons (N)
BT Hydrocarbons (DENT)
NT See under Cycloalkane hydrocarbons or Cycloalkene hydrocarbons

Cycloalkane compounds (T)
BT Alkanes (DENT)
NT Cyclohexane/hexachloro (*)
RT Cycloalkanes (DE)
Lindane (*)

Cycloalkane hydrocarbons (T)
BT Alkanes (DENT)
Hydrocarbons (DENT)

Cycloalkanes (DE)
BT Alkanes (DENT)
Hydrocarbons (DENT)
NT See under Cycloalkane compounds
RT Cycloalkane compounds (T)

Cycloalkene compounds (T)
BT Alkene compounds (T)
Alkenes (DEN)
NT Cyclohexene (T)
Cyclohexene dicarboximide/N-((trichloromethyl)thio) (*)
Cyclohexenes (D)
RT Captan (*)
Cycloalkenes (DE)

Cycloalkene hydrocarbons (T)
BT Alkene compounds (T)
Alkene hydrocarbons (T)
Alkenes (DEN)
Hydrocarbons (DENT)

Cycloalkenes (DE)
BT Alkene compounds (T)
Alkenes (DEN)
NT See under Cycloalkene compounds
RT Cycloalkene compounds (T)

Cyclohexane/hexachloro (*)
BT Chlorine aliphatic compounds (T)
Chlorine organic compounds (T)
Cycloalkane compounds (T)
RT Insecticides (DENT)
Lindane (*)

Cyclohexanone (E)
BT Cycloaliphatic ketones (T)
Ketones (DENT)

Cyclohexanones (DT)
BT Cycloaliphatic ketones (T)
Ketones (DENT)

Cyclohexene (T)
BT Alkene compounds (T)
Alkene hydrocarbons (T)
Cycloalkene compounds (T)

Cyclohexene dicarboximide/N-((trichloromethyl)thio) (*)
BT Alkene compounds (T)
Chlorine aliphatic compounds (T)
Chlorine organic compounds (T)
Cycloalkene compounds (T)
Imides (DENT)
Sulfur organic compounds (T)
RT Captan (*)
Fungicides (DENT)

clohexenes (D)
BT Alkene compounds (T)
Alkene hydrocarbons (T)
Cycloalkene compounds (T)

Cyclonite - USE:
RDX (DNT)

Cyclotetramethylenetetranitramine - USE:
HMX (DNT)

Cyclotrimethylenetrinitramine - USE:
RDX (DNT)

D 2-4 herbicide (*)
BT Herbicides (DET)
RT Acetic acid (DNT)
Acetic acids (*)
Acetic acid/dichlorophenoxy (*)
Chlorine aromatic compounds (T)
Chlorine organic compounds (T)

DBE 2-4 herbicide (*)
BT Herbicides (DET)
RT Acetic acid/(butoxyethyl-ester)-dichlorophenoxy (*)
Chlorine aromatic compounds (T)
Chlorine organic compounds (T)

DDD insecticide (*)
BT Insecticides (DENT)
RT Aromatic compounds (DNT)
Chlorine organic compounds (T)
Ethane/bis(chloropenyl)-dichloro (*)

DDE insecticide (*)
BT Insecticides (DENT)
RT Aromatic compounds (DNT)
Chlorine organic compounds (T)
Ethylene/bis(chlorophenyl)-dichloro (*)

DDT (DET)
BT Aromatic compounds (DNT)
Aromatics (E)
Chlorine organic compounds (T)
RT Dichlorodiphenyltrichloroethane (N)
Insecticides (DENT)

DDVP insecticide (*)
UF Dichlorvos
BT Insecticides (DENT)
RT Chlorine aliphatic compounds (T)
Chlorine organic compounds (T)
Phosphoric acid/(dichlorovinyl-ester)-(dimethyl-ester) (*)
Phosphorus organic compounds (T)
Diazinon (T)
BT Insecticides (DENT)
RT Nitrogen heterocyclic compounds (DT)
Phosphorothioates (D)
Phosphorothioic acid/O-O-(diethyl-ester)-O-((isopropyl-methyl)-pyrimidinyl-ester) (*)
Phosphorus organic compounds (T)
Sulfur organic compounds(T)
Dichlorethane - USE:
Ethane/dichloro (*)
Dichlorodiphenyltrichloroethane (N)
BT Aromatic compounds (DNT)
Aromatics (E)
Chlorine organic compounds (T)
RT DDT (DET)
Insecticides (DENT)
Dichloromethane - USE:
Chloromethanes (DT)
Dichloronitroethane - USE:
Ethane/dichloro-nitro (*)
Dichlorvos - USE:
DDVP insecticide (*)
Dieldrin (DENT)
BT Insecticides (DENT)
RT Chlorine organic compounds (T)
Dimethanonaphthalenes (*)
Naphthalene compounds (T)
Dimethanonaphthalenes (*)
BT Aromatic compounds (DNT)
Naphthalene compounds (T)
RT Aldrin (ET)
Dieldrin (DENT)
Endrin (NT)
Dimethyl disulfide (*)
BT Organic polysulfides (T)
Sulfur organic compounds (T)
Dimethyl ketone - USE:
Acetone (ENT)
Dimethyl mercury - USE:
Mercury/dimethyl (*)
Dimethylbenzene - USE:
Xylenes (DET)
Dinitrobenzene - USE:
DNT (D)
Dinitrophenol (E)
UF DNP
BT Aromatic compounds (DNT)
Aromatics (E)
Nitro compounds (ENT)
Nitrophenols (DT)
Phenols (DENT)
RT Nitrophenol (E)
Dioxin/tetrachloro-dibenzo (*)
BT Chlorine organic compounds (T)
Oxygen heterocyclic compounds (T)
RT Herbicides (DET)
Diphenyl compounds (N)
BT Aromatic compounds (DNT)
Aromatics (E)
RT Biphenyl (DT)
Biphenyls (*)
Disulfide/bis(dimethyl-thiocarbamoyl) (*)
BT Organic polysulfides (T)
Sulfur organic compounds (T)
RT Pesticides (DENT)
Disulfide/dimethyl (*)
BT Organic polysulfides (T)
Sulfur organic compounds (T)
Dithiocarbamic acids (*)
BT Carbamic acids (*)
Sulfur organic compounds (T)
NT Carbamic acid/ethylene-bis(dithio) (*)
DMDT insecticide - USE:
Methoxychlor (*)
DNP - USE:
Dinitrophenol (E)
DNT (D)
UF Benzene/dinitro
Dinitrobenzene
BT Aromatic compounds (DNT)
Aromatics (E)
Nitro compounds (ENT)
RT Toluene (ENT)
Toluenes (D)
DSMA herbicide (*)
BT Herbicides (DET)
RT Arsenic organic acids (T)
Arsenic organic compounds (T)
Methane arsonic acids (*)
Organic acids (DET)
EBDC fungicide - USE:
Carbamic acid/ethylene-bis(dithio) (*)
Endosulfan (*)
BT Insecticides (DENT)
RT Chlorine aliphatic compounds (T)
Chlorine organic compounds (T)
Norbornenes (*)
Sulfur organic compounds (T)
Endrin (NT)
BT Insecticides (DENT)
RT Aromatic compounds (DNT)
Chlorine organic compounds (T)
Dimethanonaphthalenes (*)
Esters (DENT)
NT Acrylates (DENT)
Aliphatic acid esters (T)
Carbamates (DET)

Carbamates (Tradename) (N)
Carbamic acid esters (E)
Carboxylates (N)
Carboxylic acid esters (ET)
Fatty acid esters (D)
Peroxy esters (T)
Phosphinic acid esters (E)
Phosphonic acid esters (E)
Phthalates (DENT)
Sulfur organic acid esters (T)
Thiocarbamates (T)
Thiophosphoric acid esters (E)
RT Ciodrin (*)

Ethane/bis(chlorophenyl)-dichloro (*)
BT Aromatic compounds (DNT)
Chlorine organic compounds (T)
RT DDD insecticide (*)
Insecticides (DENT)

Ethane/bis(chlorophenyl)-trichloro - USE:
DDT (DET)
or
Dichlorodiphenyltrichloroethane (N)

Ethane/bis(methoxyphenyl)-trichloro (*)
BT Aromatic compounds (DNT)
Aromatics (E)
Chlorine aliphatic compounds (T)
Chlorine organic compounds (T)
RT Insecticides (DENT)
Methoxychlor (*)

Ethane/dichloro (*)
UF Dichloroethane
BT Chlorine organic compounds (T)
Chloroethanes (DT)

Ethane/dichloro-nitro (*)
BT Chlorine organic compounds (T)
Nitro compounds (ENT)

Ethane/trichloro (*)
UF Trichloroethane
BT Chlorine organic compounds (T)
Chloroethanes (DT)
Trichloroethanes (D)

Ethane/trichloro-trifluro (*)
BT Chlorine organic compounds (T)
Chloroethanes (DT)
Fluorine organic compounds (NT)

Ethylene (DENT)
BT Alkene compounds (T)
Alkene hydrocarbons (T)
Alkenes (DEN)

Ethylene glycol/dinitrate (*)
BT Organic nitrates (NT)

Ethylene/bis(chlorophenyl)-dichloro (*)
BT Aromatic compounds (DNT)
Chlorine organic compounds (T)
RT DDE Insecticide (*)
Insecticides (DENT)

Ethylene/trichloro (*)
UF Trichloroethylene
BT Alkene compounds (T)
Chlorine organic compounds (T)

Ethylenebisdithiocarbamate - USE:
Dithiocarbamic acid/ethylene-bis (*)

Ethylenes (D)
BT Alkene compounds (T)
Alkene hydrocarbons (T)
Alkenes (DEN)

Fatty acid esters (D)
BT Carboxylates (N)
Carboxylic acid esters (ET)
Esters (DENT)
RT Aliphatic acid esters (T)

Fluoborates (D)
UF Borate/tetrafluoro (*)
BT Borates (DENT)
Boron inorganic compounds (T)
Fluorides (DENT)
Fluorine inorganic compounds (T)

Fluorides (DENT)
BT Fluorine inorganic compounds (T)
Halides (DENT)

Fluorinated alicyclic hydrocarbons (E)
BT Fluorine organic compounds (NT)
Halogen organic compounds (T)
Halogenated alicyclic hydrocarbons (E)
Hydrocarbons (DENT)
Organic fluorine compounds (E)

Fluorinated aliphatic hydrocarbons (E)
BT Aliphatic compounds (DNT)
Aliphatic hydrocarbons (T)
Fluorinated hydrocarbons (D)
Fluorine organic compounds (NT)
Fluorohydrocarbons (T)
Halogen organic compounds (T)
Hydrocarbons (DENT)
Organic fluorine compounds (E)

Fluorinated aromatic hydrocarbons (E)
BT Aromatic compounds (DNT)
Aromatic hydrocarbons (DT)
Aromatics (E)
Fluorinated hydrocarbons (D)
Fluorine organic compounds (NT)
Fluorohydrocarbons (T)
Halogen organic compounds (T)
Hydrocarbons (DENT)
Organic fluorine compounds (E)

Fluorinated hydrocarbons (D)
BT Fluorine organic compounds (NT)
Halogen organic compounds (T)
Hydrocarbons (DENT)
Organic fluorine compounds (E)
NT Fluorinated aliphatic hydrocarbons (E)
Fluorinated aromatic hydrocarbons (E)
RT Fluorohydrocarbons (T)

Fluorine aliphatic compounds (T)
BT Aliphatic compounds (DNT)
Fluorine organic compounds (NT)

Halogen organic compounds (T)
Organic fluorine compounds (E)

Fluorine aromatic compounds (T)
BT Aromatic compounds (DNT)
Aromatics (E)
Fluorine organic compounds (NT)
Halogen organic compounds (T)
Organic fluorine compounds (E)

Fluorine compounds (DEN)
BT Halogen compounds (DEN)
NT Fluorine inorganic compounds (T)
Fluorine organic compounds (NT)
Organic fluorine compounds (E)

Fluorine inorganic compounds (T)
BT Fluorine compounds (DEN)
Halogen inorganic compounds (T)
NT Fluoborates (D)
Fluorides (DENT)
Hydrogen fluoride (DT)
Sulfur fluorides (ENT)
Sulfur hexafluoride (T)

Fluorine organic compounds (NT)
BT Fluorine compounds (DEN)
Halogen organic compounds (T)
Organic halogen compounds (E)
NT Ethane/trichloro-trifluro (*)
Fluorinated alicyclic hydrocarbons (E)
Fluorinated aliphatic hydrocarbons (E)
Fluorinated aromatic hydrocarbons (E)
Fluorinated hydrocarbons (D)
Fluorine aliphatic compounds (T)
Fluorine aromatic compounds (T)
Fluoro compounds (EN)
Fluoroalkanes (T)
Fluorocarbons (N)
Fluorohydrocrbons (NT)
Freon (N)
Freons (E)
Methane/bis(dinitro-fluoroethyoxy) (*)
Methane/chloro-trifluoro (*)
Pentane/perfluoro (*)
RT Organic fluorine compounds (E)

Fluoro compounds (EN)
BT Fluorine organic compounds (NT)
Halogen organic compounds (T)
Organic fluorine compounds (E)

Fluoroalkanes (T)
BT Alkanes (DENT)
Fluorine organic compounds (NT)
Hydrocarbons (DENT)
Organic fluorine compounds (E)

Fluorocarbons (N)
BT Fluorine organic compounds (NT)
Halogen organic compounds (T)
Organic fluorine compounds (E)

Fluorohydrocarbons (NT)
BT Fluorine organic compounds (NT)
Halogen organic compounds (T)
Hydrocarbons (DENT)
Organic fluorine compounds (E)
Fluorinated aliphatic hydrocarbons (E)
NT Fluorinated aromatic hydrocarbons (E)
RT Fluorinated hydrocarbons (D)

Fluoropolymers (D)
BT Halocarbon plastics (D)
Halocarbon resins (T)
RT Fluorinated polymers (*)

Formaldehyde (DENT)
UF Formalin
Formic aldehyde
Formal
Oxymethylene
BT Aldehydes (DENT)

Formalin - USE:
Formaldehyde (DENT)

Freon (N)
BT Fluorine organic compounds (NT)
RT Freons (E)

Freons (E)
BT Fluorinated aliphatic hydrocarbons (E)
Fluorinated hydrocarbons (D)
Fluorine organic compounds (NT)
Fluoroalkanes (T)
Fluorohydrocarbons (NT)
Halogen organic compounds (T)
RT Freon (N)

Fuels (DENT)
NT Aerozine (DNT)
Aircraft fuels (EN)
Alloy nuclear fuels (ET)
Anthracite (ET)
Attic oil (T)
Automobile fuels (EN)
Automotive fuels (DET)
Aviation fuels (DET)
Aviation gasoline (DT)
Bituminous coal (ET)
Black coal (E)
Blast furnace gas (T)
Boiler fuel (E)
Brown coal (E)
Bunker oils (T)
Cannel coal (ET)
Carburetted water gas (E)
Cellar oil (T)
Charcoal (DENT)
Chemical fuels (N)
Coal (DENT)
Coal gas (DET)
Coal liquids (E)
Coal tar oils (E)
Coke (ENT)
Coke oven gas (E)
Crude oil (DENT)
Diesel fuels (DENT)
Dispersion nuclear fuels (ET)

Fossil fuels (DENT)
Fuel cell fuels (T)
Fuel gas (E)
Fuel oil (DT)
Fuel oils (EN)
Fuel slurries (E)
Gas fuels (EN)
Gas oils (E)
Gasoline (DENT)
Heating fuels (T)
Heavy oils (ET)
High btu gas (E)
High energy fuels (N)
High sulfur coal (*)
High sulfur fuels (*)
Hydrocarbon fuels (N)
Hydrogen (DENT)
Hydrogen fuels (EN)
Intermediate btu gas (E)
Jet engine fuels (DENT)
Kerosene (DENT)
Lignite (ET)
Liquid metal fuels (E)
Liquefied natural gas (DENT)
Liquefied petroleum gases (T)
Liquid fuels (ET)
Low btu gas (E)
Low sulfur coal (*)
Low sulfur fuels (*)
Manufactured gas (T)
Metal fuels (N)
Metallurgical fuels (T)
Methane (DENT)
Methanol (E)
Methyl alcohol (T)
Methyl alcohols (N)
Mixed base crudes (T)
Molten salt fuels (ET)
Motor fuels (T)
Naphthalene base crudes (T)
Natural gas (DENT)
Natural gas liquids (ET)
Natural uranium fuels (T)
Nuclear fuels (ENT)
Oils (DENT)
Paraffin base crudes (T)
Peat (ET)
Petroleum (ET)
Producer gas (E)
Pulverized fuels (T)
Reactor fuels (DT)
Residual oils (T)
Semibituminous coal (T)
Semicoke (E)
Shale oil (ENT)
Shale tar oil (E)
Slurried jet engine fuels (T)
Slurry fuels (D)
Solid fuels (DE)
Solid jet engine fuels (DT)
Solvent-refined coal (E)
Sour crudes (ET)
Sour gas (T)
Subbituminous coal (ET)
Sweet crudes (T)
Sweet gas (T)
Synthane (N)
Synthesis gas (E)
Synthetic fuels (DEN)
Synthetic petroleum (E)
Thermonuclear fuels (E)
Torbanite (E)
Town gas (E)
Water gas (E)
Wood (DENT)

Fungicides (DENT)
NT Captan (*)
PCNB fungicide (*)
RT Benzene/nitro-pentachloro (*)
Carbamic acid/ethylene-bis(dithio) (*)
Cyclohexene dicarboximide/N-((trichloro-methyl)thio) (*)

Furans (DET)
BT Oxygen heterocyclic compounds (T)
Oxygen organic compounds (T)

Gasoline (DENT)
BT Fuels (DENT)
NT Aviation gasoline (DET)
RT Antiknock additives (NT)
Octane number (NT)

Geon - USE:
Polyvinyl chloride (DNT)
or
PVC (E)

Halides (DENT)
BT Halogen inorganic compounds (T)
NT Bromides (DENT)
Chlorides (DENT)
Fluorides (DENT)
Iodides (DENT)

Haloalkanes (T)
BT Alkanes (DENT)
Halogen organic compounds (T)
Hydrocarbons (DENT)
Organic halogen compounds (E)

Halocarbon plastics (D)
BT Plastics (DENT)

Halocarbon resins (T)
BT Plastics (DENT)

Halogen compounds (DEN)
NT Halogen inorganic compounds (T)
Halogen organic compounds (T)
Organic halogen compounds (E)

Halogen inorganic compounds (T)
BT Halogen compounds (DEN)
NT Halides (DENT)

Halogen organic compounds (T)
BT Halogen compounds (DEN)
NT Brominated alicyclic hydrocarbons (E)
Brominated aliphatic hydrocarbons (E)
Brominated aromatic hydrocarbons (E)
Bromine aliphatic compounds (T)
Bromine aromatic compounds (T)
Bromine compounds (DEN)
Bromoalkanes (T)
Bromohydrocarbons (T)
Chlorinated alicyclic hydrocarbons (E)
Chlorinated aliphatic hydrocarbons (E)
Chlorinated aromatic hydrocarbons (E)
Chlorinated hydrocarbons (D)
Chlorine aliphatic compounds (T)
Chlorine aromatic compounds (T)
Chloroalkanes (T)
Chloroaromatics (N)
Chlorohydrocarbons (DT)
Fluorinated alicyclic hydrocarbons (E)
Fluorinated aliphatic hydrocarbons (E)
Fluorinated aromatic hydrocarbons (E)
Fluorinated hydrocarbons (D)
Fluorine aliphatic compounds (T)
Fluorine aromatic compounds (T)
Fluoro compounds (EN)
Fluorocarbons (N)
Fluorohydrocarbons (NT)
Freons (E)
Haloalkanes (T)
Halogenated alicyclic hydrocarbons (E)
Halogenated aliphatic hydrocarbons (E)
Halogenated aromatic hydrocarbons (E)
Halogenated hydrocarbons (D)
Halohydrocarbons (T)
Iodinated alicyclic hydrocarbons (E)
Iodinated aliphatic hydrocarbons (E)
Iodinated aromatic hydrocarbons (E)
Iodine aliphatic compounds (T)
Iodine aromatic compounds (T)
Iodoalkanes (T)
Iodohydrocarbons (T)
Organic chlorine compounds (E)
Organic fluorine compounds (E)
Organic iodine compounds (E)
RT Organic halogen compounds (E)

Halogenated alicyclic hydrocarbons (E)
BT Halogen organic compounds (T)
Halogenated hydrocarbons (D)
Halohydrocarbons (T)
Hydrocarbons (DENT)

Halogenated aliphatic hydrocarbons (E)
BT Aliphatic compounds (DNT)
Aliphatic hydrocarbons (T)
Halogen organic compounds (T)
Halogenated hydrocarbons (D)
Halohydrocarbons (T)
Hydrocarbons (DENT)

Halogenated aromatic hydrocarbons (E)
BT Aromatic compounds (DNT)
Aromatic hydrocarbons (DT)
Aromatics (E)
Halogen organic compounds (T)
Halogenated hydrocarbons (D)
Halohydrocarbons (T)
Hydrocarbons (DENT)

Halogenated hydrocarbons (D)
BT Halogen organic compounds (T)
Halogenated alicyclic hydrocarbons (E)
Halogenated aliphatic hydrocarbons (E)
Halogenated aromatic hydrocarbons (E)
Hydrocarbons (DENT)

Halogens (DENT)
NT Chlorine (DENT)
Iodine (DENT)

Halohydrocarbons (T)
BT Halogen organic compounds (T)
Halogenated alicyclic hydrocarbons (E)
Halogenated aliphatic hydrocarbons (E)
Halogenated aromatic hydrocarbons (E)
Hydrocarbons (DENT)
RT Halogenated hydrocarbons (D)

Heavy metals (D)
BT Metals (DENT)
NT Cadmium (DENT)
Chromium (DENT)
Cobalt (DENT)
Copper (DENT)
Iron (DENT)
Lead (E)
Lead (Metal) (N)
Lead(Metal) (T)
Manganese (DENT)
Mercury (DE)
Mercury (Metal) (N)
Mercury(Metal) (T)
Molybdenum (DENT)
Nickel (DENT)
Titanium (ENT)
Uranium (DENT)
Zinc (DENT)
Zirconium (DENT)
RT Trace elements (DENT)

Heptachlor (T)
BT Insecticides (DENT)
RT Chlorine aliphatic compounds (T)
Chlorine organic compounds (T)
Indene (EN)
Indenes (*)
Methanoindenes (*)
Methanoindene/heptachloro-tetrahydro (*)

Herbicides (DET)
NT Amiben (*)
Aminotriazole (*)
Atrazine (*)
Bromacil (*)

D 2-4 herbicide (*)
DBE 2-4 herbicide (*)
DSMA herbicide (*)
MCPA herbicide (*)
MSMA herbicide (*)
Orange herbicide (*)
Paraquat herbicide (*)
T 2-4-5 herbicide (*)
RT Acetic acid/(butoxyethyl-ester)-dichloro-phenoxy (*)
Acetic acid/dichlorophenoxy (*)
Acetic acid/(chloro-methyl)phenoxy (*)
Acetic acid/trichloro phenoxy (*)
Benzoic acid/amino-dichloro (*)
Bipyridinium/dimethyl (*)
Triazine/chloro-ethylamino-isopropylamino (*)
Uracil/bromo-butyl-methyl (*)

Hexachlorobutadiene - USE:
Butadiene/hexachloro (*)

HMX (DNT)
UF Cyclotetramethylenetetranitramine
Tetranitrotetrazacyclooctane
BT Nitrogen heterocyclic compounds (DT)
Nitrogen organic compounds (T)
RT Chemical explosives (E)
Explosives (DENT)

Humic acids (ET)
RT Humus (ET)
Organic acids (DET)

Hydrazine (DE)
BT Hydrazines (NT)
Nitrogen organic compounds (T)

Hydrazines (NT)
BT Nitrogen organic compounds (T)
NT Dimethyl hydrazine(1-1) (D)
Dimethylhydrazine (*)
Dimethylhydrazines (NT)
Hydrazine (DE)
Hydrazine/phenyl (*)
Hydrazine/methyl (*)

Hydrocarbons (DENT)
BT Organic compounds (DENT)
NT Acetylene (DENT)
Aliphatic hydrocarbons (T)
Aliphatic polycyclic hydrocarbons (T)
Alkanes (DENT)
Alkene hydrocarbons (T)
Alkyne hydrocarbons (T)
Anthracene (ENT)
Anthracenes (D)
Aromatic hydrocarbons (T)
Aromatic polycyclic hydrocarbons (DT)
Benzanthracene (E)
Benzanthracenes (T)
Biphenyl (DET)
Brominated alicyclic hydrocarbons (E)
Brominated aliphatic hydrocarbons (E)
Bromoalkanes (T)
Bromohydrocarbons (T)
Butadienes (DT)
Chlorinated alicyclic hydrocarbons (E)
Chlorinated aliphatic hydrocarbons (E)
Chlorinated aromatic hydrocarbons (E)
Chlorinated hydrocarbons (D)
Chloroalkanes (T)
Chlorohydrocarbons (DT)
Cyclic hydrocarbons (N)
Cycloalkane hydrocarbons (T)
Cycloalkanes (DE)
Cycloalkene hydrocarbons (T)
Cychlohexene (T)
Ethane/dichloro (*)
Ethylene (DENT)
Fluorinated alicyclic hydrocarbons (E)
Fluorinated aliphatic hydrocarbons (E)
Fluorinated aromatic hydrocarbons (E)
Fluorinated hydrocarbons (D)
Fluoroalkanes (T)
Fluorohydrocarbons (NT)
Gasoline (DENT)
Haloalkanes (T)
Halogenated aromatic hydrocarbofns (E)
Halogenated alicyclic hydrocarbons (E)
Halogenated aliphatic hydrocarbons (E)
Halogenated hydrocarbons (D)
Halohydrocarbons (T)
Indene (EN)
Iodinated alicyclic hydrocarbons (E)
Iodinated aliphatic hydrocarbons (E)
Iodinated aromatic hydrocarbons (E)
Iodoalkanes (T)
Iodohydrocarbons (T)
Methane (DENT)
Oils (DENT)
Petroleum (E)
Polycyclic aromatic hydrocarbons (E)
Polyphenyl hydrocarbons (T)
Styrene (ET)
Terpene hydrocarbons (T)
Vinyl chloride (T)

Hydrochloric acid (DENT)
BT Chlorine inorganic compounds (T)
Inorganic acids (DET)
RT Hydrogen chloride (DT)

Hydrogen bromide (T)
BT Bromides (DENT)
Bromine inorganic compounds (T)
RT Hydrobromic acid (ENT)

Hydrogen chloride (DT)
BT Chlorides (DENT)
Chlorine inorganic compounds (T)
RT Hydrochloric acid (DENT)
Hydrogen chlorides (N)

Hydrogen chlorides (N)
BT Chlorides (DENT)
Chlorine inorganic compounds (T)

RT Hydrochloric acid (DENT)
Hydrogen chloride (DT)
Hydrogen fluoride (DT)
BT Fluorides (DENT)
Fluorine inorganic compounds (T)
RT Hydrofluoric acid (DENT)
Hydrogen sulfide (DNT)
BT Inorganic sulfides (NT)
Sulfur inorganic compounds (T)
Hydrogen sulfides (E)
BT Inorganic sulfides (NT)
Sulfur inorganic compounds (T)
Hydroquinone (T)
UF Paradihydroxy benzene
BT Aromatic compounds (DNT)
Phenols (DENT)
Indene (EN)
BT Aromatic hydrocarbons (DT)
Aromatic polycyclic hydrocarbons (DT)
Aromatics (E)
Hydrocarbons (DENT)
Indenes (*)
Polycyclic aromatic hydrocarbons (E)
Indenes (*)
BT Aromatic hydrocarbons (DT)
Aromatic polycyclic hydrocarbons (DT)
Aromatics (E)
Hydrocarbons (DENT)
Polycyclic aromatic hydrocarbons (E)
NT Methanoindenes (*)
Methanoindene/heptachloro-tetrahydro (*)
RT Heptachlor (T)
Inorganic acids (DET)
NT Boric acids (NT)
Hydrochloric acid (DENT)
Nitric acid (DENT)
Sulfuric acid (DENT)
RT Organic acids (DET)
Inorganic compounds (DENT)
Inorganic disulfides (T)
BT Sulfides (DEN)
Sulfur inorganic compounds (T)
Inorganic nitrates (NT)
BT Nitrates (DEN)
Nitrogen inorganic compounds (T)
RT Organic nitrates (NT)
Inorganic phosphates (T)
BT Phosphates (DEN)
Phosphorus inorganic compounds (T)
RT Phosphoric acid esters (E)
Inorganic polysulfides (T)
BT Sulfides (DEN)
Sulfur inorganic compounds (T)
Inorganic sulfides (NT)
BT Sulfides (DEN)
Sulfur inorganic compounds (T)
NT Inorganic sulfides (NT)
Insecticides (DENT)
NT Abate (*)
Aldicarb (*)
Aldrin (ET)
Baygon insecticide (*)
Carbaryl (*)
Carbofuran (*)
Chlordan (T)
Ciodrin (*)
DDD insecticide (*)
DDE insecticide (*)
DDVP insecticide (*)
Diazinon (T)
Dieldrin (DENT)
Endosulfan (*)
Endrin (NT)
Heptachlor (T)
Lindane (*)
Malathion (DET)
Methoxychlor (*)
Methyl parathion (*)
Mirex (*)
Naled (*)
Paration (D)
Toxaphene (*)
RT Carbamic acid/(isopropoxyphenyl-ester)-methyl (*)
Carbamic acid/(methyl-ester) (*)
Carbamic acid/methyl-(naphthyl-ester) (*)
Cyclohexane/hexachloro (*)
DDT (DET)
Dichlorodiphenyltrichloroethane (N)
Ethane/bis(chlorophenyl)-dichloro (*)
Ethane/bis(methoxyphenyl)-trichloro (*)
Ethylene/bis(chlorophenyl)-dichloro (*)
Kepone (*)
Methanoindene/heptachloro-tetrahydro (*)
Phosphoric acid/((dibromo-dichloro)ethyl-ester)-(dimethyl-ester) (*)
Phosphoric acid/(dichlorovinyl-ester)-dimethyl-ester (*)
Phosphorothioic acid/O-O-(diethyl-ester) O-((isopropyl-methyl)pyrimidinyl-ester)
Phosphorothioic acid/O-O-(diethyl-ester) O-(nitrophenyl-ester) (*)
Phosphorothioic acid/O-O-(dimethyl-ester) O-(nitrophenyl-ester) (*)
Phosphorothioic acid/thio-diphenylene-bis(O-O-(dimethyl-ester)-thio) (*)
Iodides (DENT)
BT Halides (DENT)
Iodine inorganic compounds (T)
Iodinated alicyclic hydrocarbons (E)
BT Halogen organic compounds (T)
Halogenated alicyclic hydrocarbons (E)
Hydrocarbons (DENT)
Iodine organic compounds (T)
Organic iodine compounds (E)
Iodinated aliphatic hydrocarbons (E)

BT Aliphatic compounds (DNT)
Aliphatic hydrocarbons (T)
Halogen organic compounds (T)
Halogenated aliphatic hydrocarbons (E)
Hydrocarbons (DENT)
Iodine aliphatic compounds (T)
Iodine organic compounds (T)
Organic iodine compounds (E)

Iodinated aromatic hydrocarbons (E)
BT Aromatic compounds (DNT)
Aromatic hydrocarbons (DT)
Aromatics (E)
Halogen organic compounds (T)
Halogenated aromatic hydrocarbons (E)
Hydrocarbons (DENT)
Iodine aromatic compounds (T)
Iodine organic compounds (T)
Organic iodine compounds (E)

Iodine (DENT)
BT Halogens (DENT)
RT Iodine 131(ENT)
Iodine isotopes (ENT)

Iodine aliphatic compounds (T)
BT Aliphatic compounds (DNT)
Halogen organic compounds (T)
Iodine organic compounds (T)
Organic iodine compounds (E)
RT Iodinated aliphatic hydrocarbons (E)

Iodine aromatic compounds (T)
BT Aromatic compounds (DNT)
Aromatics (E)
Halogen organic compounds (T)
Iodine organic compounds (T)
Organic iodine compounds (E)
NT Iodinated aromatic hydrocarbons (E)

Iodine compounds (DEN)
BT Halogen compounds (DEN)
NT Iodine inorganic compounds (T)
Iodine organic compounds (T)
Organic iodine compounds (E)

Iodine inorganic compounds (T)
BT Halogen inorganic compounds (T)
Iodine compounds (DEN)
NT Iodides (DENT)

Iodine isotopes (ENT)
NT Iodine 131 (ENT)

Iodine organic compounds (T)
BT Halogen organic compounds (T)
Iodine compounds (DEN)
Organic halogen compounds (E)
NT Iodinated alicyclic hydrocarbons (E)
Iodinated aliphatic hydrocarbons (E)
Iodinated aromatic hydrocarbons (E)
Iodine aliphatic compounds (T)
Iodine aromatic compounds (T)
Iodoalkanes (T)
Iodohydrocarbons (T)
RT Organic iodine compounds (E)

Iodoalkanes (T)
BT Alkanes (DENT)
Halogen organic compounds (T)
Hydrocarbons (DENT)
Iodine organic compounds (T)
Iodohydrocarbons (T)
Organic iodine compounds (E)

Iodohydrocarbons (T)
BT Halogen organic compounds (T)
Hydrocarbons (DENT)
Iodine organic compounds (T)
Organic iodine compounds (E)
NT Iodoalkanes (T)

Iron (DENT)
BT Heavy metals (D)
Metals (DENT)

Isocil - USE:
Bromacil (*)

Kepone (*)
BT Chlorine organic compounds (T)
RT Insecticides (DENT)
Mirex (*)

Ketones (DENT)

Krypton (DENT)
BT Rare gases (DENT)

Krypton isotopes (NT)
NT Krypton 85 (ENT)
Krypton 87 (E)
Krypton 88 (E)

Lead (E)
BT Heavy metals (D)
Metals (DENT)

Lead (Metal) (N)
BT Heavy metals (D)
Metals (DENT)

Lead azides (DT)
BT Azides (DE)
Lead inorganic compounds (T)

Lead organic compounds (NT)
NT TEL (E)
Tetraethyl lead (T)

Lead(Metal) (T)
BT Heavy metals (D)
Metals (DENT)

Lead/tetraethyl - USE:
Tetraethyl lead (T)

Lindane (*)
BT Insecticides (DENT)
RT Chlorine aliphatic compounds (T)
Chlorine organic compounds (T)
Cycloalkane compounds (T)
Cyclohexane/hexachloro (*)

MCPA herbicide (*)
BT Herbicides (DET)
RT Acetic acid (DNT)
Acetic acids (*)
Acetic acid/(chloro-methyl)phenoxy (*)
Chlorine organic compounds (T)

MSMA herbicide (*)
BT Herbicides (DET)
RT Arsenic organic compounds (T)
Methane arsonic acids (*)
Malathion (DET)
UF Succinic acid/(diethyl-ester)-mercapto-(S-ester-with-O-O-dimethyl-phosphor-odithioate)
BT Insecticides (DENT)
RT Phosphorodithioates (*)
Phosphorus organic compounds (T)
Succinates (DT)
Sulfur organic compounds (T)
Maleic anhydride (ET)
BT Anhydrides (ENT)
Manganese (DENT)
BT Heavy metals (D)
Metals (DENT)
Mercaptobenzothiazole - USE:
Benzothiazole thiol (*)
Mercury (DE)
BT Heavy metals (D)
Metals (DENT)
Mercury compounds (DEN)
NT Mercury inorganic compounds (T)
Mercury organic compounds (T)
Organic mercury compounds (E)
Mercury inorganic compounds (T)
Mercury (Metal) (N)
BT Heavy metals (D)
Metals (DENT)
Mercury organic compounds (T)
NT Mercury/chloro-methyl (*)
Mercury/dimethyl (*)
Mercury/methyl (*)
RT Mercury compounds (DEN)
Organic mercury compounds (E)
Mercury/chloro-methyl (*)
BT Chlorine organic compounds (T)
Mercury organic compounds (T)
Mercury/dimethyl (*)
Mercury(Metal) (T)
BT Heavy metals (D)
Metals (DENT)
BT Mercury organic compounds (T)
Mercury/methyl (*)
UF Methyl mercury
BT Mercury organic compounds (T)
Metham pesticide (*)
UF Vapan
BT Pesticides (DENT)
RT Carbamates (DET)
Carbamic acid/dithio-methyl-(sodium-salt) (*)
Sulfur organic compounds (T)
Thiocarbamates (T)
Methane (DENT)
BT Aliphatic hydrocarbons (T)
Alkanes (DENT)
Hydrocarbons (DENT)
Methane arsonic acids (*)
BT Arsenic organic acids (T)
Arsenic organic compounds (T)
Organic acids (DET)
RT DSMA herbicide (*)
Herbicides (DET)
Methane thiols (*)
BT Sulfur organic compounds (T)
Methane/bis(dinitro-fluoroethoxy)-(*)
BT Fluorine aliphatic compounds (T)
Fluorine organic compounds (NT)
Nitro compounds (ENT)
Methane/bromo-chloro (*)
BT Bromine aliphatic compounds (T)
Bromine organic compounds (T)
Chlorine aliphatic compounds (T)
Chlorine organic compounds (T)
Methane/chloro-trifluoro (*)
BT Chlorine aliphatic compounds (T)
Chlorine organic compounds (T)
Fluorine aliphatic compounds (T)
Fluorine organic compounds (NT)
Methane/tetranitro (*)
BT Nitro compounds (ENT)
Nitrogen organic compounds (T)
Methanoindene/heptachloro-tetrahydro (*)
BT Chlorine aliphatic compounds (T)
Chlorine organic compounds (T)
Indenes (*)
Methanoindenes (*)
RT Heptachlor (T)
Insecticides (DENT)
Methanoindenes (*)
BT Indene (EN)
Indenes (*)
NT Methanoindene/heptachloro-tetrahydro (*)
RT Heptachlor (*)
Methanol (E)
BT Alcohols (DENT)
Methanols (*)
Methyl alcohols (N)
RT Methyl alcohol (T)
Methanols (*)
BT Alcohols (DENT)
NT Methanol (E)
Methyl alcohol (T)
RT Methyl alcohols (N)
Methoxychlor (*)
UF DMDT insecticide
BT Insecticides (DENT)
RT Aromatic compounds (DNT)
Aromatics (E)
Chlorine aliphatic compounds (T)
Chlorine compounds (DEN)
Methyl alcohol (T)
BT Alcohols (DENT)
Methanols (*)

Methyl alcohols (N)
RT Methanol (E)

Methyl alcohols (N)
BT Alcohols (DENT)
NT Methanol (E)
Methyl alcohol (T)
RT Methanols (*)

Methyl disulfides (*)
BT Organic polysulfides (T)
Organic sulfur compounds (DEN)

Methyl mercury - USE:
Mercury/methyl (*)

Methyl parathion (*)
BT Insecticides (DENT)
RT Nitro compounds (ENT)
Phosphorothioates (D)
Phosphorothioic acid/O-O-(dimethyl-ester)-O-(nitrophenyl-ester) (*)
Phosphorus organic compounds (T)
Sulfur organic compounds (T)

Methyl sulfide (*)
BT Organic sulfides (T)
Sulfur organic compounds (T)

Mirex (*)
BT Insecticides (DENT)
RT Chlorine aliphatic compounds (T)
Chlorine organic compounds (T)
Kepone (*)
Methanocyclobuta(cd)pentalenes (*)

Molybdenum (DENT)
BT Heavy metals (D)
Metals (DENT)

NTA (E)
BT Amino acids (DENT)
RT Acetic acid/nitrilo-tri (*)

Naled (*)
BT Insecticides (DENT)
RT Bromine aliphatic compounds (T)
Bromine organic compounds (T)
Chlorine aliphatic compounds (T)
Chlorine organic compounds (T)
Phosphoric acid/((dibromo-dichloro)ethyl-ester)-(dimethyl-ester) (*)
Phosphorus organic compounds (T)

Naphthalene (ENT)
BT Aromatic compounds (DNT)
Aromatic polycyclic hydrocarbons (DT)
Aromatics (E)
Naphthalenes (D)
Polycyclic aromatic hydrocarbons (E)

Naphthalene compounds (T)
BT Aromatic compounds (DNT)
Aromatic polycyclic hydrocarbons (DT)
Aromatics (E)
Polycyclic aromatic hydrocarbons (E)
NT Carbamic acid/methyl-(naphthyl-ester) (*)
RT Aldrin (ET)
Dieldrin (DENT)
Endrin (NT)

Naphthalenes (D)
BT Aromatic compounds (DNT)
Aromatic polycyclic hydrocarbons (DT)
Aromatics (E)
Polycyclic aromatic hydrocarbons (E)
NT Naphthalene (N)

Neon (DENT)
BT Rare gases (DENT)
RT Neon isotopes (ENT)

Neon isotopes (ENT)
NT Neon 21 (E)

Nickel (DENT)
BT Heavy metals (D)
Metals (DENT)

Nitrates (DEN)
BT Nitrogen compounds (DEN)
NT Cellulose nitrate (NT)
Inorganic nitrates (NT)
Nitrocellulose (DE)
Organic nitrates(NT)

Nitric acid (DENT)
BT Inorganic acids (DET)
Nitrogen inorganic compounds (T)

Nitric oxide (EN)
BT Nitrogen inorganic compounds (T)
Nitrogen oxides (DENT)
Oxides (DENT)
RT Nitrogen oxide(NO) (*)

Nitriles (DENT)
NT Acetic acid/nitrilo-tri (*)
Acrylonitriles (NT)
RT Cyanides (DENT)
Nitrogen organic compounds (T)

Nitrilotriacetic acid - USE:
Acetic acid/nitrilo-tri (*)
or
NTA (E)

Nitrites (DENT)
RT Inorganic nitrates (NT)
Nitrogen inorganic compounds (T)

Nitro compounds (ENT)
NT Benzene/chloro-nitro (*)
Benzene/nitro-pentachloro (*)
Dinitrophenol (E)
DNT (D)
Ethane/dichloro-nitro (*)
Methane/bis(dinitro-fluoroethoxy) (*)
Methane/tetranitro (*)
Nitrobenzene (E)
Nitrobenzenes (DNT)
Nitrophenol (E)
Nitrophenols (DT)
Parathion (D)
Phosphorothioic acid/O-O-(diethyl-ester)-O-(nitrophenyl-ester) (*)
Phosphorothioic acid/O-O-(dimethyl-ester)-O (nitrophenyl-ester) (*)

Picric acid (DET)
Styphnates (DNT)
TNT (DE)
Trinitrotoluene (NT)
RT Methyl parathion (*)
Parathion (D)
PCNB fungicide (*)

Nitrobenzene (E)
BT Aromatic hydrocarbons (DT)
Aromatics (E)
Nitro compounds (ENT)
Nitrobenzenes (DNT)

Nitrobenzenes (DNT)
BT Aromatic hydrocarbons (DT)
Aromatics (E)
Nitro compounds (ENT)
NT Benzene/chloro-nitro (*)
Dinitrophenol (E)
Nitrobenzene (E)
Nirophenol (E)
Nitrophenols (DT)
Picric acid (DET)
Styphnates (DNT)
TNT (DE)
Trinitrotoluene (NT)

Nitrocellulose (DE)
BT Nitrates (DEN)
Organic nitrates (NT)
RT Cellulose nitrate (NT)
Chemical explosives (E)
Explosives (DENT)

Nitrochlorobenzene - USE:
Benzene/chloro-nitro (*)

Nitrogen dioxide (ENT)
BT Nitrogen inorganic compounds (T)
Nitrogen oxides (DENT)
Oxides (DENT)

Nitrogen heterocyclic compounds (DT)
NT Bipyridinium/dimethyl (*)
HMX (DNT)
Phosphorothioic acid/O-O-(diethyl-ester)-O-((isopropyl-methyl)pyrimidinyl-ester) (*)
Pyrenes (NT)
Pyridines (DENT)
RDX (DNT)
Triazines (DET)
Triazine/chloro-ethylamino-isopropylamino (*)
Uracil/bromo-butyl-methyl (*)
RT Atrazine (*)
Bromacil (*)
Diazinon (T)
Paraquat herbicide (*)

Nitrogen inorganic compounds (T)
BT Nitrogen compounds (DEN)
NT Ammonia (DENT)
Cyanides (DENT)
Nitric acid (DENT)
Nitric oxide (EN)
Nitrogen oxides (DENT)
Nitrogen dioxide (ENT)
Nitrogen oxide(NO) (T)
Nitrogen oxide(N20) (T)
Nitrogen pentoxide (T)
Nitrous oxide (DE)
Nitrous oxides (N)

Nitrogen organic compounds (T)
BT Nitrogen compounds (DEN)
NT Benzene/nitro-pentachloro (*)
HMX (DNT)
Hydrazine (DE)
Hydrazines (NT)
Methane/tetranitro (*)
Peroxybenzoyl nitrate (*)
Peroxyacetyl nitrate (*)
Pyrenes (NT)
Pyridines (DENT)
RT Organic nitrogen compounds (DE)
PCNB fungicide (*)

Nitrogen oxide(N2O) (T)
BT Nitrogen inorganic compounds (T)
Nitrogen oxides (DENT)
Oxides (DENT)
RT Nitrous oxide (DE)

Nitrogen oxide(NO) (T)
BT Nitrogen inorganic compounds (T)
Nitrogen oxides (DENT)
Oxides (DENT)
RT Nitric oxide (EN)

Nitrogen oxides (DENT)
BT Nitrogen inorganic compounds (T)
Oxides (DENT)
NT Nitric oxide (EN)
Nitrogen dioxide (ENT)
Nitrogen oxide(NO) (T)
Nitrogen oxide(N2O) (T)
Nitrogen pentoxide (T)
Nitrous oxide (DE)
Nitrous oxides (N)

Nitrogen pentoxide (T)
BT Nitrogen inorganic compounds (T)
Nitrogen oxides (N)
Oxides (DENT)

Nitroglycerin (DENT)
BT Organic nitrates (NT)
RT Chemical explosives (E)
Explosives (DENT)
Glycerides (DNT)

Nitrophenol (E)
BT Aromatic hydrocarbons (DT)
Aromatics (E)
Nitro compounds (ENT)
Phenols (DENT)
RT Dinitrophenol (E)

Nitrophenols (DT)
BT Aromatic compounds (DNT)
Aromatic hydrocarbons (DT)

Aromatics (E)
Nitro compounds (ENT)
Phenols (DENT)
NT Dinitrophenol (E)
Picric acid (DET)
Styphnates (DNT)

Nitrous oxide (DE)
BT Nitrogen inorganic compounds (T)
Nitrogen oxides (DENT)
Oxides (DENT)
RT Nitrogen oxide(N20) (T)
Nitrous oxides (N)

Nitrous oxides (N)
BT Nitrogen inorganic compounds (T)
Nitrogen oxides (N)
Oxides (DENT)
RT Nitrogen oxide(N2O) (T)
Nitrous oxide (DE)

Norbornenes (*)
RT Endosulfan (*)

Olefins - USE:
Alkene compounds (T)
or
Alkene hydrocarbons (T)
or
Alkenes (DEN)

Orange herbicide (*)
BT Defoliants (*)
Herbicides (DET)
RT D 2-4 herbicide (*)
T 2-4 5 herbicide (*)
Chlorine aromatic compounds (T)
Chlorine organic compounds (T)

Organic acids (DET)
NT Aliphatic acids (DT)
Phosphinic acids (DET)
Phosphonic acids (DET)
Phosphoric organic acid (*)
Sulfur organic acids (T)
Acetic acids (*)
Benzoic acid/amino-dichloro (*)
Carbamic acid (D)
Methane arsonic acids (*)
RT Amiben (*)
Carboxylic acids (DENT)
DSMA herbicide (*)
Humic acids (ET)

Organic arsenic compounds (E)
BT Arsenic compounds (DEN)
NT See under Arsenic organic compounds
RT Arsenic organic compounds (T)

Organic boron compounds (EN)
BT Boron compounds (DEN)
NT See under Boron organic compounds
RT Boron organic compounds (T)

Organic bromine compounds (E)
BT Bromine compounds (DEN)
Halogen organic compounds (T)
Organic halogen compounds (E)
NT See under Bromine organic compounds
RT Bromine organic compounds (T)

Organic chlorine compounds (E)
BT Chlorine compounds (DEN)
Halogen organic compounds (T)
Organic halogen compounds (E)
NT See under Chlorine organic compounds
RT Chlorine organic compounds (T)

Organic compounds (DENT)

Organic fluorine compounds (E)
BT Fluorine compounds (DEN)
Halogen organic compounds (T)
Organic fluorine compounds (E)
NT See under Fluorine organic compounds
RT Fluorine organic compounds (NT)

Organic halogen compounds (E)
BT Halogen compounds (DEN)
NT See under Halogen organic compounds
RT Halogen organic compounds (T)

Organic iodine compounds (E)
BT Halogen organic compounds (T)
Iodine compounds (DEN)
NT See uner Iodine organic compounds
RT Iodine organic compounds (T)

Organic mercury compounds (E)
BT Mercury compounds (DEN)
NT See under Mercury organic compounds
RT Mercury organic compounds (T)

Organic nitrates (NT)
BT Nitrates (DEN)
Nitrogen organic compounds (T)
NT Cellulose nitrate (NT)
Ethylene glycol/dinitrate (*)
Nitrocellulose (DE)
Nitroglycerin (DENT)
Peroxybenzoyl nitrate (*)
Peroxyacetyl nitrate (*)

Organic nitrogen compounds (DE)
BT Nitrogen compounds (DEN)
NT See under Nitrogen organic compounds
RT Nitrogen organic compounds (T)

Organic oxygen compounds (DE)
BT Oxygen compounds (DEN)
RT Oxygen organic compounds (T)

Organic phosphates (T)
BT Phosphates (DEN)
Phosphorus compounds (DEN)
Phosphorus organic compounds (T)

Organic phosphorus compounds (DEN)
NT See under Phosphorus organic compounds
RT Organic phosphates (T)
Phosphorus organic compounds (T)

Organic polysulfides (T)
BT Organic sulfides (T)
Sulfur organic compounds (T)

Organic sulfates (T)
BT Sulfates (DENT)

Sulfur organic compounds (T)
RT Sulfur organic acid esters (*)

Organic sulfides (T)
BT Sulfur organic compounds (T)
NT Carbon disulfide (DNT)
Methyl sulfide (*)
Organic polysulfides (T)
RT Sulfides (DEN)

Organic sulfur compounds (DEN)
BT Sulfur compounds (DEN)
NT See under Sulfur organic compounds
RT Sulfur organic compounds (T)

Organophosphinic acids (E)
BT Phosphorus organic compounds (T)

Oxidizers (DNT)
RT Aldehydes (DENT)
Ketones (DENT)
Peroxy esters (T)
Peroxy organic compounds (T)
Peroxyacetyl nitrate (*)
Peroxybenzoyl nitrate (*)
Photochemical oxidants (E)

Oxygen heterocyclic compounds (T)
BT Oxygen organic compounds (T)
NT Dioxin/tetrachloro-dibenzo (*)
Furans (DET)

Oxygen organic compounds (T)
NT Furans (DET)
RT Organic oxygen compounds (DE)

Ozone (DENT)

PAH - USE:
Aromatic polycyclic hydrocarbons (DT)
or
Polycyclic aromatic hydrocarbons (E)

PAN - USE:
Peroxyacetyl nitrate (*)

Paradihydroxybenzene - USE:
Hydroquinone (T)

Paraffins - USE:
Alkanes (DENT)

Paraquat herbicide (*)
BT Herbicides (DET)
RT Bipyridinium/dimethyl (*)
Nitrogen heterocyclic compounds (DT)
Pyridinium compounds (E)
Quaternary ammonium salts (T)

Parathion (D)
BT Insecticides (DENT)
RT Nitro compounds (ENT)
Phosphorothioates (D)
Phosphorothioic acid/O-O-(dimethyl-ester)-O-(nitrophenyl-ester) (*)
Phosphorus organic compounds (T)
Sulfur organic compounds (T)

PBBs - USE:
Biphenyl/bromo (*)
and
Polybrominated biphenyls (*)

PCBs - USE:
Biphenyl/chloro (*)
and
Polychlorinated biphenyls (*)

PCNB fungicide (*)
UF Pentachloronitrobenzene
BT Fungicides (DENT)
RT Aromatic compounds (DNT)
Benzene/nitro-pentachloro (*)
Chlorine aromatic compounds (T)
Chlorine organic compounds (*)
Nitro compounds (ENT)
Nitrogen organic compounds (T)

Pentachloronitrobenzene - USE:
Benzene/nitro-pentachloro (*)
and
PCNB fungicide (*)

Pentane/perfluoro (*)
BT Fluorine aliphatic compounds (T)
Fluorine organic compounds (NT)

Peroxy esters (T)
BT Esters (DENT)
Peroxy organic compounds (T)
NT Peroxyacetyl nitrate (*)
Peroxybenzoyl nitrate (*)
RT Oxidizers (DNT)
Photochemical oxidants (E)

Peroxy organic compounds (T)
NT Peroxy esters (T)
Peroxyacetyl nitrate (*)
Peroxybenzoyl nitrate (*)
RT Oxidizers (DNT)
Photochemical oxidants (E)

Peroxyacetyl nitrate (*)
BT Nitrogen organic compounds (T)
Organic nitrates (NT)
Peroxy esters (T)
Peroxy organic compounds (T)
RT Oxidizers (DNT)
Photochemical oxidants (E)

Peroxybenzoyl nitrate (*)
BT Nitrogen organic compounds (T)
Organic nitrates (NT)
Peroxy esters (T)
Peroxy organic compounds (T)
RT Oxidizers (DNT)
Photochemical oxidants (E)

Pesticides (DENT)
NT Aldicarb (*)
Ciodrin (*)
Cineb (*)
Cirame (*)
Metham pesticide (*)
Polycarbacine (*)
RT Carbamic acid/((dihydro-dimethyl)benzofuranyl-ester)-methyl (*)
Carbamic acid/dithio-methyl-(sodium-salt) (*)
Disulfide/bis(dimethyl-thiocarbamoyl) (*)

Phenol/chloro (*)
BT Aromatic compounds (DNT)
Chlorine aromatic compounds (T)
Chlorine organic compounds (T)
Phenols (DENT)
Phenols (DENT)
NT Dinitrophenol (E)
Hydroquinone (T)
Nitrophenol (E)
Nitrophenols (DT)
Phenol/chloro (*)
Phenylamine - USE:
Anilines (DT)
Phenylamines (D)
BT Amines (DENT)
Aromatic compounds (DNT)
Aromatics (E)
Arylamines (T)
RT Anilines (DT)
Phosphates (DEN)
NT Inorganic phosphates (T)
Organic phosphates (T)
RT Phosphoric acid esters (E)
Phosphinates (DT)
BT Esters (DENT)
Phosphorus organic compounds (T)
Phosphinic acid esters (E)
BT Esters (DENT)
Phosphorus organic compounds (T)
Phosphinic acids (DET)
BT Organic acids (DET)
Phosphorus organic compounds (T)
Phosphonates (DET)
BT Esters (DENT)
Phosphorus organic compounds (T)
Phosphonic acid esters (E)
BT Esters (DENT)
Phosphorus organic compounds (T)
Phosphonic acids (DET)
BT Organic acids (DET)
Phosphorus organic compounds (T)
Phosphoric acid esters (E)
BT Esters (DENT)
Phosphorus organic compounds (T)
Phosphoric acid/((dibromo-dichloro)ethyl-ester)-(dimethyl-ester) (*)
BT Bromine aliphatic compounds (T)
Bromine organic compounds (T)
Chlorine aliphatic compounds (T)
Chlorine organic compounds (T)
Phosphorus organic compounds (T)
RT Insecticides (DENT)
Naled (*)
Phosphoric acid/(dichlorovinyl-ester)-(dimethyl-ester) (*)
BT Chlorine aliphatic compounds (T)
Chlorine organic compounds (T)
Phosphorus organic compounds (T)
RT DDVP insecticide (*)
Insecticides (DENT)
Phosphoric organic acid esters (T)
BT Esters (DENT)
Phosphorus organic compounds (T)
Phosphoric organic acids (*)
BT Organic acids (DET)
Phosphorus organic compounds (T)
Phosphorodithioates (*)
BT Organic phosphates (T)
Organic phosphorus compounds (DEN)
Phosphorus organic compounds (T)
RT Malathion (DET)
Phosphorothioates (D)
BT Phosphorus organic compounds (T)
Sulfur organic compounds (T)
NT Phosphorothioic acid/O-O-(diethyl-ester)-O-((isopropyl-methyl)pyrimidinyl-ester) (*)
Phosphorothioic acid/O-O-(diethyl-ester)-O(nitrophenyl-ester (*)
Phosphorothioic acid/O-O-(dimethyl-ester)-O-(nitrophenyl-ester) (*)
Phosphorothioic acid/thio-diphenylene-bis(O-O-(dimethyl-ester)-thio) (*)
RT Abate (*)
Diazinon (T)
Methyl parathion (*)
Parathion (D)
Phosphorothioic acid/O-O-(diethyl-ester)-O-(nitrophenyl-ester) (*)
BT Nitro compounds (ENT)
Phosphorothioates (D)
Phosphorus organic compounds (T)
Sulfur organic compounds (T)
RT Insecticides (DENT)
Methyl parathion (*)
Phosphorothioic acid/O-O-(diethyl-ester)-O-((isopropyl-methyl)pyrimidinyl-ester (*)
BT Nitrogen heterocyclic compounds (DT)
Phosphorothioates (D)
Phosphorus organic compounds (T)
Sulfur organic compounds (T)
RT Diazinon (T)
Insecticides (DENT)
Phosphorothioic acid/O-O-(dimethyl-ester)-O-(nitrophenyl-ester) (*)
BT Nitro compounds (ENT)
Phosphorothioates (D)
Phosphorus organic compounds (T)
Sulfur organic compounds (T)
RT Insecticides (DENT)
Parathion (D)
Phosphorothioic acid/thio-diphenylene-bis (O-O-(dimethyl-ester)-thio) (*)
BT Aromatic compounds (DNT)
Phosphorothioates (D)
Phosphorus organic compounds (T)
Sulfur organic compounds (T)

RT Abate (*)
Insecticides (DENT)

Phosphorus (DENT)
NT Phosphorus 32 (EN)
Phosphorus 33 (E)

Phosphorus compounds (DEN)
NT Organic phosphorus compounds (DEN)
Phosphorus inorganic compounds (T)
Phosphorus organic compounds (T)

Phosphorus inorganic compounds (T)
BT Phosphorus compounds (DEN)

Phosphorus isotopes (ENT)
NT Phosphorus 32 (EN)
Phosphorus 33 (E)

Phosphorus organic compounds (T)
BT Phosphorus compounds (DEN)
NT Organic phosphates (T)
Organophosphinic acids (E)
Phosphinates (DT)
Phosphinic acid esters (E)
Phosphinic acids (DET)
Phosphonates (DET)
Phosphonic acid esters (E)
Phosphonic acids (DET)
Phosphoric organic acids (*)
Phosphoric acid/((dibromo-dichloro)ethyl-ester)-(dimethyl-ester) (*)
Phosphoric acid/(dichlorovinyl-ester)-(dimethyl-ester) (*)
Phosphorothioates (D)
Phosphorothioic acid/O-O-(diethyl-ester)-O-((isopropyl-methyl)pyrimidinyl-ester) (*)
Phosphorothioic/acid/O-O-(diethyl-ester)-O-(nitrophenyl-ester) (*)
Phosphorothioic acid/O-O-(dimethyl-ester)-O-(nitrophenyl-ester) (*)
Phosphorothioic acid/thio-diphenylenene-bis(O-O-(dimethyl-ester)-thio) (*)
Thiophosphoric acid esters (E)
RT Abate (*)
Cholinesterase inhibitors (DT)
Ciodrin (*)
DDVP insecticides (*)
Diazinon (T)
Malathion (DET)
Methyl parathion (*)
Naled (*)
Organic phosphorus compounds (DEN)
Parathion (D)
Phosphoric acid esters (E)

Photochemical oxidants (E)
RT Aldehydes (DENT)
Ketones (DENT)
Oxidizers (DNT)
Peroxy esters (T)
Peroxy organic compounds (T)
Peroxyacetyl nitrate (*)
Peroxybenzoyl nitrate (*)

Phthalates (DENT)
BT Esters (DENT)

Plutonium (DENT)
RT Radioactive isotopes (DNT)

Plutonium isotopes (DENT)
RT Radioactive isotopes (DNT)

Plutonium oxides (ENT)
BT Oxides (DENT)
Plutonium compounds (DENT)

PNAs - USE:
Aromatic polycyclic hydrocarbons (DT)
or
Polycyclic aromatic hydrocarbons (E)

Polybrominated biphenyls (*)
UF PBBs
BT Biphenyls (*)
Bromine organic compounds (T)
Diphenyl compounds (N)
Organic bromine compounds (E)
RT Biphenyl/bromo (*)

Polychlorinated biphenyls (*)
UF PCBs
BT Biphenyls (*)
Chlorine organic compounds (T)
Diphenyl compounds (N)
Organic chlorine compounds (E)
RT Biphenyl/chloro (*)

Polycyclic aromatic hydrocarbons (E)
UF PAH
PNAs
Polynuclear aromatic hydrocarbons
BT Aromatic hydrocarbons (DT)
Aromatics (E)
Hydrocarbons (DENT)
NT Anthracene (ENT)
Anthracenes (D)
Benzanthracene (E)
Benzanthracenes (T)
Benzopyrene (E)
Benzopyrenes (*)
Indene (EN)
Naphthalene (ENT)
Naphthalenes (D)
Phenanthrene (ENT)
Phenanthrenes (D)
Pyrenes (NT)
RT Aromatic polycyclic hydrocarbons (DT)
DEF Hydrocarbons containing two or more fused rings, at lease on of which is aromatic.

Polynuclear aromatic hydrocarbons - USE:
Aromatic polycyclic hydrocarbons (DT)
or
Polycyclic aromatic hydrocarbons (E)

Polyvinyl chloride (DNT)
UF Geon
BT Addition resins (NT)
Chlorine organic compounds (T)
Polyvinyls (E)

Plastics (DENT)
Thermoplastic resins (DNT)
Vinyl chloride resins (T)
Vinyl polymers (N)
Vinyl resins (T)
RT PVC (E)

Propanone - USE:
Acetones (D)

Propylene (NT)
BT Alkene compounds (T)
Alkene hydrocarbons (T)
Alkenes (DEN)

PVC (E)
BT Chlorine organic compounds (T)
Vinyl chloride resins (T)
RT Polyvinyl chlorine (DNT)

Pyrenes (NT)
BT Aromatic polycyclic hydrocarbons (DT)
Nitrogen heterocyclic compounds (DT)
Nitrogen organic compounds (T)
Polycyclic aromatic hydrocarbons (E)
NT Benzopyrene (*)
Benzopyrenes (*)

Pyridines (DENT)
BT Nitrogen heterocyclic compounds (DT)
Nitrogen organic compounds (T)

Rare gases (DENT)
NT Argon (DENT)
Krypton (DENT)
Neon (DENT)
Xenon (DENT)

RDX (DNT)
UF Cyclonite
Cyclotrimethylenetrinitramine
BT Nitrogen heterocyclic compounds (DT)
RT Chemical explosives (E)
Explosives (DENT)

Selenium (DENT)

Selenium dioxide (*)
BT Selenium compounds (DEN)

Serpentine (ENT)
UF Chrysotile
BT Silicate minerals (T)
RT Asbestos (DENT)
Chromites (NT)
Magnesium silicates (ET)
Olivine (DENT)
Olivines (E)
Serpentinite (T)

Sevin - USE:
Carbaryl (*)

Silicate minerals (T)
NT Asbestos (DENT)

Silicones (DENT)
BT Silicon organic compounds (T)

Strontium isotopes (ENT)
NT Strontium 90 (ENT)
RT Radioactive isotopes (DNT)

Sulfates (DENT)
BT Sulfur inorganic compounds (T)
RT Sulfuric acid esters (E)

Sulfides (DEN)
BT Sulfur inorganic compounds (T)
NT Inorganic polysulfides (T)
Inorganic sulfides (NT))
RT Organic polysulfides (T)
Organic sulfides (T)

Sulfites (DENT)
BT Sulfur inorganic compounds (T)

Sulfonates (DENT)
BT Esters (DENT)
Sulfur organic compounds (T)

Sulfur compounds (DEN)
NT Organic sulfur compounds (DEN)
Sulfur inorganic compounds (T)
Sulfur organic compounds (T)

Sulfur dioxide (ET)
BT Oxides (DENT)
Sulfur inorganic compounds (T)
Sulfur oxides (DENT)

Sulfur fluorides (ENT)
BT Fluorides (DENT)
Fluorine inorganic compounds (T)
Sulfur inorganic compounds (T)

Sulfur hexafluoride (T)
BT Fluorides (DENT)
Fluorine inorganic compounds (T)
Sulfur fluorides (ENT)
Sulfur inorganic compounds (T)

Sulfur inorganic compounds (T)
BT Sulfur compounds (DEN)
Inorganic polysulfides (T)
NT Hydrogen sulfide (DN)
Hydrogen sulfides (E)
Sulfates (DENT)
Sulfides (DENT)
Sulfites (DENT)
Sulfur dioxide (ET)
Sulfur fluorides (ENT)
Sulfur hexafluroide (T)
Sulfur monoxide (T)
Sulfur oxides (DENT)
Sulfur trioxide (ET)
Sulfuric acid (DENT)
Sulfuric acid esters (E)

Sulfur monoxide (T)
BT Oxides (DENT)
Sulfur inorganic compounds (T)
Sulfur oxides (DENT)

Sulfur organic acid esters (T)
BT Esters (DENT)
Sulfur organic compounds (T)

Sulfur organic acids (T)
BT Organic acids (DET)
Sulfur organic compounds (T)

Sulfur organic compounds (T)

BT Sulfur compounds (DEN)
NT Benzothiazole thiol (*)
Benzothiazoles (ET)
Carbamic acid/dithio-methyl-(sodium-salt) (*)
Carbamic acid/ethylene-bis(dithio) (*)
Carbon disulfide (DNT)
Cyclohexene dicarboximide/N-((trichloro-methyl)thio) (*)
Dimethyl disulfide (*)
Disulfide/ bis(dimethyl-thiocarbamoyl) (*)
Disulfide/dimethyl (*)
Methane thiols (*)
Methyl sulfide (*)
Organic polysulfides (T)
Phosphorothioic acid/O-O-(diethyl-ester)-O-((isopropyl-methyl)pyrimidinyl-ester) (*)
Phosphorothioic acid/O-O-(diethyl-ester)-O(nitrophenyl-ester) (*)
Phosphorothioic acid/thio-diphenylene-bis(O-O-(dimethyl-ester)-thio) (*)
Sulfur organic acid esters (T)
Sulfur organic acids (T)
RT Abate (*)
Aldicarb (*)
Captan (*)
Diazinon (T)
Endosulfan (*)
Malathion (DET)
Metham pesticide (*)
Methyl parthion (*)
Organic sulfur compounds (DEN)
Parathion (D)

Sulfur oxides (DENT)
BT Sulfur inorganic compounds (T)
Oxides (DENT)
NT Sulfur dioxide (ET)
Sulfur monoxide (T)
Sulfur trioxide (ET)

Sulfur trioxide (ET)
BT Oxides (DENT)
Sulfur inorganic compounds (T)
Sulfur oxides (DENT)

Sulfuric acid (DENT)
UF Oleum
BT Inorganic acids (DET)
Sulfur inorganic compounds (T)

Sulfuric acid esters (E)
BT Sulfur inorganic compounds (T)
RT Sulfates (DENT)

T 2-4-5 herbicide (*)
BT Herbicides (DET)
RT Acetic acid/trichlorophenoxy (*)
Chlorine aromatic compounds (T)
Chlorine organic compounds (T)

TEL (E)
BT Lead organic compounds (NT)
RT Antiknock additives (NT)
Tetraethyl lead (T)

Terpene compounds (T)
NT Toxaphene
RT Terpene hydrocarbons (T)
Insecticides (DENT)

Tetrachloroethylene (T)
BT Alkene compounds (T)
Alkenes (DEN)
Chlorine aliphatic compounds (T)
Chlorine organic compounds (T)

Tetraethyl lead (T)
BT Lead organic compounds (NT)
RT Antiknock additives (NT)
TEL (E)

Tetrafluoroborates - USE:
Fluoborates (D)

Tetranitrotetrazacyclooctane - USE:
HMX (DNT)

Thiocarbamates (T)
BT Carbamates (DET)
Carbamates (Tradename) (N)
Carbamic acid esters (E)
Esters (DENT)
Organic sulfur compounds (DEN)
Sulfur organic compounds (T)
NT Carbamic acid/dithio-methyl-(sodium-salt) (*)
RT Metham pesticide (*)

Thiodan - USE:
Endosulfan (*)

Thiophosphoric acid esters (E)
BT Esters (DENT)
Phosphorus organic compounds (T)
NT See under Phosphorothioates
RT Phosphorothioates (D)

Titanium (ENT)
BT Heavy metals (D)
Metals (DENT)

Titanium dioxide (DT)
UF Anatase
Titania
BT Titanium oxides (DENT)

TNT (DE)
BT Aromatic hydrocarbons (DT)
Aromatics (E)
Nitro compounds (ENT)
RT Toluene (ENT)
Trinitrotoluene (NT)

Toluidines (DET)
BT Amines (DENT)
Anilines (DT)
Aromatic compounds (DNT)

Toxaphene (*)
BT Insecticides (DENT)
RT Camphene (ET)
Camphenes (*)
Chlorine organic compounds (T)
Terpenes (DEN)

Triazine/chloro-ethylamino-isopropylamino (*)
BT Amines (DENT)

Chlorine organic compounds (T)
Nitrogen heterocyclic compounds (DT)
Triazines (DET)
RT Atrazine (*)
Herbicides (DET)

Triazines (DET)

Triazines (DET)
BT Nitrogen heterocyclic compounds (T)

Trichloroethane - USE:
Ethane/trichloro (*)

Trichloroethanes (D)
BT Chlorine organic compounds (T)
Chloroethanes (DT)
NT Ethane/trichloro (*)

Trichloroethylene - USE:
Ethylene/trichloro (*)

Trinitrotoluene (NT)
BT Aromatic hydrocarbons (DT)
Aromatics (E)
Nitro compounds (ENT)
RT TNT (DE)
Toluene (ENT)

Uracil (N)
BT Amides (DENT)
Nitrogen heterocyclic compounds (DT)
NT Uracils (DET)
Uracil/bromo-butyl-methyl (*)
RT Bromacil (*)

Uracil/bromo-butyl-methyl (*)
BT Amides (DENT)
Bromine organic compounds (T)
Nitrogen heterocyclic compounds (DT)
Uracils (DET)
RT Bromacil (*)
Herbicides (DET)

Uracils (DET)
BT Amides (DENT)
Nitrogen heterocyclic compounds (DT)
NT Uracil (N)

Uranium (DENT)
BT Heavy metals (D)
Metals (DENT)

Uranium isotopes (ENT)
NT Uranium 233 (ENT)
Uranium 235 (ENT)
RT Radioactive isotopes (DNT)

Vapan - USE:
Methan pesticide (*)

Vinyl chloride (T)
UF Chloroethylene
BT Chlorine aliphatic compounds (T)
Chlorine organic compounds (T)
RT Vinyl chloride resins (T)
PVC (E)

Vinyl cyanide - USE:
Acrylonitriles (NT)

Xenon (DENT)
BT Rare gases (DENT)

Xenon isotopes (ENT)
NT Xenon 133 (EN)
Xenon 135 (EN)
Xenon 138 (E)

Xylene (N)

Xylenes (DET)
UF Dimethylbenzene
BT Aromatic compounds (DNT)
Aromatics (E)

Zinc (DENT)
BT Heavy metals (D)
Metals (DENT)
Transition metals (DNT)
RT Zinc isotopes (ENT)

Zirconium (DENT)
BT Heavy metals (D)
Metals (DENT)
Transition metals (DNT)
RT Zirconium isotopes (ENT)

Zirconium isotopes (ENT)
NT Zirconium 95 (EN)
RT Radioactive isotopes (DNT)